NOTICES OF PROPOSED RULEMAKING

Initiated After January 1, 1995

Unless exempted by A.R.S. § 4101995, each agency shall begin the rulemaking process by first filing a Notice of Proposed Rulemaking, containing the preamble and the full text of the rules, with the Secretary of State's Office. The Secretary of State shall publish the notice along with the Preamble and the full text in the next available issue of the Arizona Administrative Register.

Under the administrative Procedure Art (A.R.S. § 41-1001) et seq.), an agency must allow at least 30 days to elapse after the publication of the Notice of Proposed Rulemaking in the Register before beginning any proceedings for adoption, amendment, or repeal of any rule. A.R.S. §§ 41-1013 and 41-1022.

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TITLE 18. ENVIRONMENTAL QUALITY

CHAPTER 11. DEPARTMENT OF ENVIRONMENTAL QUALITY WATER QUALITY STANDARDS

PREAMBLE

<u>1.</u>	Sections Affected	Rulemaking Action
	R18-11-101	Amendment
	R18-11-102	Amendment
	R18-11-103	Repeal
	R18-11-104	Amendment
	R18-11-105	New Section
	R18-11-106	New Section
	R18-11-107	Amendment
	R18-11-108	Amendment
	R18-11-109	Amendment
	R18-11-111	Amendment
	R18-11-112	Amendment
	R18-11-113	Amendment
	R18-11-114	Amendment
	R18-11-115	Amendment
	R18-11-117	Amendment
	R18-11-118	Amendment
	R18-11-120	Amendment
	R18-11-121	Amendment
	R18-11-122	New Section
	R18-11-123	New Section
	Appendix A	Repeal
	Appendix A	New Section
	Appendix B	Repeal
	Appendix B	New Section
	Appendix C	Repeal
	Article 2	Repeal
	R18-11-201	Repeal
	R18-11-202	Repeal
	R18-11-203	Repeal
	R18-11-204	Repeal
	R18-11-205	Repeal
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2. The specific authority for the rulemaking, including both the authorizing statute [general] and the statutes the rules are implementing [specific]:

Authorizing statute: A.R.S. § 49-221 Implementing statute: A.R.S. § 49-222

3. The names and addresses of agency personnel with whom persons may communicate regarding the rulemaking:

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An explanation of the rule, including the agency's reasons for initiating the rule:

The Arizona Department of Environmental Quality [ADEQ] is initiating this rulemaking to comply with the requirements of the Clean Water Act. §303(c) of the Clean Water Act establishes the statutory basis in federal law for the water quality standards program. §303(c)(1) of the Clean Water Act requires states to review their surface water quality standards at least once every three years and to revise them where it is appropriate to do so. Under A.R.S. § 49-202(A), ADEQ is the designated state agency for all purposes of the Clean Water Act and is responsible for conducting the triennial review of the state's water quality standards. The last triennial review of the Arizona's water quality standards was completed with the adoption of revisions to the state-adopted water quality standards rules effective Feb. 18, 1992.

State-adopted water quality standards are subject to review and approval or disapproval by the U.S. Environmental Protection Agency [EPA]. After the last revisions to Arizona's water quality standards were officially adopted on February 18, 1992, they were submitted to the Administrator of U.S. EPA Region IX for review.

EPA is required to review the state-adopted water quality standards and make a determination whether the standards meet the requirements of the Clean Water Act and federal water quality standards regulations at 40 CFR 131. EPA's review involves a determination of whether ADEQ has adopted use designations for surface waters in Arizona that are consistent with the requirements of the Clean Water Act; whether ADEQ has adopted water quality criteria that are sufficient to protect water quality for those designated uses; whether the state-adopted water quality standards include an antidegradation policy that is consistent with federal requirements; whether ADEQ complied with procedural requirements for adopting or revising water quality standards; and whether the state-adopted water quality standards are based upon appropriate technical or scientific analyses.

EPA can either approve, conditionally approve, or disapprove state-adopted water quality standards, in whole or in part. If the Regional Administrator of EPA Region IX determines that revisions to state-adopted water quality standards are not consistent with the requirements of the Clean Water Act and its implementing regulations, then the Regional Administrator is required to disapprove the standards and provide written notice to the state specifying what changes must be made to the water quality standards in order for them to be approved. If a state fails to make the required changes within 90 days of notification, then EPA is required to promptly promulgate federal water quality standards for the state.

In the last triennial review of Arizona's water quality standards, the Regional Administrator of U.S. EPA Region IX reviewed the state-adopted water quality standards and subsequently issued four letters indicating EPA approvals and disapprovals. On March 2, 1992, EPA approved Arizona's numeric water quality standards for toxic pollutants. On July 6, 1992, EPA approved the stateadopted nutrient standards for the Lower Colorado River and the salinity standards for the Colorado River. On September 9, 1993, EPA disapproved certain portions of the state-adopted water quality standards. These disapprovals included the following:

- Disapproval of the exclusion from water quality standards for mining-related impoundments,
- Disapproval of the lack of the fish consumption designated use for certain surface waters in Arizona,
- Disapproval of the lack of biomonitoring procedures for implementation of the narrative toxics standard at R18-11-108(A)(5),
- Disapproval of the lack of implementation procedures for the narrative nutrient standard at R18-11-108(A)(6), and
- Disapproval of the practical quantitation levels prescribed in Appendix C.

On November 8, 1993, Arizona informed EPA by letter that the state would defer its response to the disapprovals of the state's water quality standards until after EPA completed a required consultation with the U.S Fish & Wildlife Service [USFWS] on Arizona's water quality standards under §7 of the Endangered Species Act and took final action on the remainder of the water quality standards. §7 of the Endangered Species Act requires that EPA consult with the USFWS to determine whether EPA's action on the approval or disapproval of Arizona's water quality standards would be likely to jeopardize the continued existence of endangered or threatened species or result in the destruction or adverse modification of their critical habitat.

On April 29, 1994, EPA completed its review, approving the remaining portions of the state-adopted water quality standards. However, EPA's final action included one additional disapproval. EPA disapproved Arizona's numeric water quality standards for mercury that had been established to protect aquatic life and wildlife. This additional disapproval was based upon a biological opinion issued by the USFWS. In the USFWS biological opinion, the USFWS stated that Arizona's water quality standards for mercury jeopardized endangered and threatened species because the state had failed to adequately consider the bioaccumulative effects of mercury on predatory birds and fish when the numeric water quality criteria were developed.

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The Director of ADEQ responded to the EPA disapprovals by letter dated July 6, 1994. The response indicated that Arizona would propose required revisions to the state-adopted water quality standards rules in the current triennial review. ADEQ noted in the response to EPA that revisions to the water quality standards could not be accomplished within 90 days because rulemaking was needed to make the revisions. This rulemaking includes the necessary revisions. These revisions are discussed in the summary of the proposed changes to the rules below.

The triennial review of the state-adopted water quality standards rules is not limited to issues related to specific EPA disapprovals. ADEQ may identify other necessary revisions to designated uses, water quality criteria, antidegradation policy, or other general policies based upon water quality monitoring data or public comment. This rulemaking also includes proposed revisions that are unrelated to EPA disapprovals.

Summary of Proposed Revisions to the Rules

"Navigable Water" v. "Surface Water"

The general authorizing statute for this rulemaking states at A.R.S. §49-221(A) that the Director of the Arizona Department of Environmental Quality "shall adopt, by rule, water quality standards for all navigable waters..." The specific authorizing statute for this rulemaking, A.R.S. § 49-222, also refers to water quality standards for "navigable waters."

The use of the term, "navigable waters," is consistent with the terminology used in §303(c) of the Clean Water Act. For example, §303(c)(2) of the Act provides that a water quality standard shall consist of "the designated uses of the navigable waters involved and the water quality criteria for such waters based upon their uses."

The term, "navigable waters," is a legal term of art. It is specifically defined in the Clean Water Act as "the waters of the United States, including the territorial seas" [See § 502(7) of the Clean Water Act]. Arizona statute also defines "navigable waters" as the "waters of the United States" [See A.R.S. § 49-201(17)]. The term, "waters of the United States," has a specific legal definition. "Waters of the United States" is defined in federal regulations which govern the National Pollutant Discharge Elimination System permit program at 40 CFR 122.2. The currently effective water quality standards rules also include a definition of "waters of the United States" [See R18-11-101(45)].

In the last triennial review of the water quality standards rules, Arizona revised the rules to consistently use the term, "navigable water." This change was made to make the terminology of the state-adopted water quality standards rules consistent with the terminology used in the Clean Water Act and to clarify that the water quality standards rules were adopted by the state pursuant to A.R.S. §49-221 and §49-222. ADEQ defined "navigable water" to mean a "water of the United States" [See R18-11-101(32)] and essentially imported the federal definition of "water of the United States" at 40 CFR 122.2 into the state water quality standards rules. [See R18-11-101(45)].

Unfortunately, the use of the term, "navigable water," created confusion in the regulated community. Many people did not understand that the term, "navigable water," was a term of art with a specific legal definition under both the Clean Water Act and Arizona law. Many persons understandably interpreted "navigable water" to mean a surface water that was navigable-in-fact. Confusion over the meaning of "navigable water" led to confusion over what surface waters in Arizona were governed by state-adopted water quality standards.

To avoid this confusion and to make the water quality standards rules more understandable, ADEQ proposes to eliminate all references to "navigable waters" in the rules. ADEQ proposes to replace "navigable waters" with the term, "surface waters." ADEQ believes that "surface waters" more accurately describes the water bodies that are subject to water quality standards. ADEQ also believes that "surface waters" is less subject to misinterpretation by the regulated community.

The proposed use of the term, "surface water" should not be interpreted as a substantive change in the scope of the water quality standards rules. The terms "surface water," "navigable water," and "water of the United States" are synonymous. The proposed definition of "surface water" at R18-11-101(41) makes clear that a "surface water" is a "water of the United States." A comparison of the proposed definition of "surface water" with the federal definition of "water of the United States" at 40 CFR 122.2 will show that the two definitions are essentially the same.

Scope of the Proposed Water Quality Standards Rules

ADEQ proposes to amend R18-11-102 to clarify that water quality standards apply to surface waters but not to waste treatment systems or to certain man-made surface impoundments used in mining. The waste treatment system and mining impoundments exclusions from water quality standards were established by the state in the last triennial review of the water quality standards rules [See R18-11-103(1) and (2)]. In this rulemaking, ADEQ proposes to revise the language of both of the currently effective exclusions.

The Waste Treatment System Exclusion

The state-adopted water quality standards apply to surface waters [i.e, to "navigable waters" or "waters of the United States"]. Under the proposed waste treatment systems exclusion, water quality standards do <u>not</u> apply to waste treatment systems, including the impoundments, ponds, lagoons and constructed wetlands that are a part of such waste treatment systems [See R18-11-102(B)(1)].

The source of the waste treatment system exclusion is the federal definition of "waters of the United States." 40 CFR 122.2 provides, in relevant part:

Waste treatment systems, including treatment ponds or lagoons designed to meet the requirements of CWA [other than cool-

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ing ponds as defined in 40 CFR 423.11(m) which also meet the criteria of this definition] are not waters of the United States. This exclusion applies only to manmade bodies of water which neither were originally created in waters of the United States [such as a disposal area in wetlands] nor resulted from the impoundment of waters of the United States [See Note 1 of this Section].

Note 1 to the waste treatment system exclusion states that EPA suspended the second sentence cited above [starting with "This exclusion applies only to manmade..."] in 1980. The second sentence limited the application of the waste treatment systems exclusion to those waste treatment systems that were not originally created in waters of the United States nor resulted from the impoundment of waters of the United States [See 45 Fed. Reg. 48620 (July 21, 1980)]. The suspension of this language by EPA means that the waste treatment system exclusion in the federal definition of "waters of the United States" is <u>not</u> conditioned. The suspension of this language remains in effect.

The same waste treatment system exclusion is found in the currently effective water quality standards rules at R18-11-103(1). However, the waste treatment system exclusion adopted by the state in 1992 includes the language suspended by EPA. ADEQ proposes to eliminate the suspended language from the state-adopted waste treatment system exclusion to make it more consistent with the currently effective federal definition of "waters of the United States" and the EPA suspension.

The elimination of the second sentence from the waste treatment system exclusion will broaden the exclusion and provide more regulatory flexibility. For example, the elimination of the second sentence from the waste treatment system exclusion will remove an existing legal barrier to the use of constructed wetlands in the channels of dry watercourses for wastewater treatment. Under the currently effective exclusion, the construction of a wetlands for wastewater treatment in the channel of a dry watercourse is effectively precluded because water quality standards have to be met at the point of discharge into the constructed wetlands. The requirement to comply with water quality standards at the point of discharge into a constructed wetlands defeats the wetland's intended purpose. If the limiting language in the wastewater treatment system exclusion is eliminated, then it is possible to construct a wetlands in the channel of a dry watercourse for the purpose of wastewater treatment. Water quality standards would not have to be met at the point of discharge into the constructed wetlands. Rather, compliance with water quality standards could be determined at the point of discharge from the constructed wetlands. The removal of the second sentence from the wastewater treatment system exclusion would allow in-channel constructed wetlands for wastewater treatment.

The Mining Impoundments Exclusion

In the last triennial review, ADEQ created an exclusion from water quality standards for certain mining-related impoundments. Water quality standards do not apply to:

Man-made surface impoundments and associated ditches and conveyances used in the extraction, beneficiation, and processing of metallic ores, including pregnant leach solution ponds, raffinate ponds, tailing impoundments, decant ponds, concentrate or tailing thickeners, blowdown water ponds, ponds and sumps in mine pits associated with dewatering activity, ponds holding water that has come in contact with process or product that is being held for recycling, spill or upset catchment ponds or ponds used for on-site remediation provided that any discharge from any such surface impoundment to a navigable water is permitted under the National Pollutant Discharge Elimination System [See R18-11-103(2)].

On September 9, 1993, EPA disapproved the exclusion from water quality standards for man-made surface impoundments related to mining. EPA stated in its disapproval letter that the state must either delete the mining impoundments exclusion or otherwise revise the rule to ensure that mining-related impoundments which are waters of the United States are governed by appropriate water quality standards. In disapproving the exclusion, EPA acknowledged that most mining-related impoundments are not subject to water quality standards because they are located outside of waters of the United States.

The EPA disapproval of the mining impoundment exclusion did not require the repeal of the currently effective rule. EPA indicated that the exclusion provision was approvable if the state revised the language of the exclusion in a way that makes clear that the exclusion does not exempt any water of the United States from coverage by water quality standards.

ADEQ is proposing to revise the language of the mining impoundments exclusion in this rulemaking [R18-11-102(B)(2)]. The proposed revisions to the language of the mining impoundments exclusion are intended to ensure that any mining-related impoundments which are waters of the United States will be governed by appropriate water quality standards. ADEQ has revised the language of the rule to exempt from water quality standards only those mining-related impoundments that are: 1) located on lands that would not be otherwise be considered surface waters or waters of the United States [e.g. upland areas]; or 2) that are located on fast lands. The term, "fast lands" means lands which may have been a surface water at one time but which have been converted to land by the discharge of dredged or fill material [See proposed definition at R18-11-101(24)].

The retention of a revised mining impoundments exclusion will provide regulatory certainty by clarifying that the state does not consider the types of man-made impoundments that are described in the exclusion to be "waters of the United States." ADEQ continues to believe that it is unreasonable to apply water quality standards to the types of mining-related impoundments that would be covered by this exclusion. Congress did not intend that the goals and objectives of the Clean Water Act apply to such impoundments. For example, Congress could not reasonably have intended that mining-related impoundments meet the interim goal of water quality which provides for the protection and propagation of fish, shellfish, and wildlife and which provides for recreation in and on the water. The "fishable/swimmable" goals of the Clean Water Act are clearly unreasonable water quality objectives for pregnant leach solution ponds, tailings impoundments, and similar man-made impoundments.

The proposed exclusion includes a list of mining-related impoundments. This list provides examples of the types of mining impoundments that are covered by the exclusion. The list is provided for illustrative purposes and it is not intended to be an exclusive list.

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Revisions to the Tributary Rule

The currently effective water quality standards rules include a provision at R18-11-104(D) which is commonly referred to as the tributary rule. The tributary rule establishes water quality standards for surface waters that are not specifically listed in Appendix B of the water quality standards rules.

The currently effective tributary rule at R18-11-104(D) provides a minimum level of water quality protection for unlisted tributaries by applying the water quality standards that have been established for the nearest downstream surface water that is listed in Appendix B. If the nearest listed downstream surface water is an ephemeral water, then the water quality standards that apply to that downstream ephemeral water [i.e., partial-body contact (PBC) and aquatic and wildlife (ephemeral)(A&We)] apply only to those portions of an upstream tributary that also are ephemeral. For portions of an upstream tributary that are not ephemeral, the currently effective rule establishes the aquatic and wildlife (warm water fishery) and full-body-contact water quality standards by default.

The operation of the currently effective tributary rule can result in the application of inappropriate water quality standards to unlisted tributaries. For example, if the nearest downstream surface water to an unlisted tributary is a perennial stream with a cold water fishery, then the tributary rule applies the water quality standards for that perennial water to all of the upstream tributaries, even if a triburary is an ephemeral water. A perennial stream with a cold water fishery typically will have the following designated uses: aquatic and wildlife [cold water fishery], fish consumption, and full-body contact. The operation of the tributary rule would apply these water quality standards to all upstream tributaries, even to a dry wash that flows only in response to a storm event.

ADEQ proposes to revise the tributary rule to avoid the application of inappropriate water quality standards to unlisted tributaries. The revised tributary rule establishes water quality standards for four different types of tributaries: ephemeral waters, effluent-dependent waters, perennial tributaries that are cold water fisheries and perennial tributaries that are warm water fisheries.

Under the proposed rule, ephemeral tributaries will be protected by water quality standards that are appropriate for ephemeral waters: aquatic and wildlife [ephemeral] and partial-body contact. For tributaries that are effluent dependent, the aquatic and wildlife [effluent-dependent water] and partial-body contact water quality standards will apply. Perennial tributaries that have salmonids present will be protected by aquatic and wildlife [cold water fishery] standards, fish consumption standards, and the water quality standards that apply to the nearest downstream surface water. Perennial tributaries that do not have salmonids will be protected by aquatic and wildlife [warm water fishery] standards, fish consumption standards, and the water quality standards that apply to the nearest downstream surface water.

Modification of water quality standards on grounds of net ecological benefit

ADEQ is proposing a new Section, R18-11-106, which will allow the modification of a water quality standard where it can be demonstrated that there is a net ecological benefit associated with the discharge of effluent to support or create a riparian or aquatic habitat in an area where such water resources are limited. Under the proposed rule, a water quality standard may be modified if the following demonstrations are made:

- The discharge of effluent creates or supports an ecologically valuable aquatic, wetland, or riparian habitat in an area where such resources are limited;
- The cost of treatment to comply with a water quality standard is so high that it is more cost effective to eliminate the discharge of effluent rather than upgrade treatment;
- 3. It is feasible for a point source discharger to completely eliminate the discharge of effluent;
- 4. The environmental benefits associated with the discharge of effluent under a modified water quality standard exceed the environmental costs associated with elimination of the discharge and destruction of the effluent dependent ecosystem;
- All practicable point source control discharge programs, including local pretreatment, waste minimization, and source reduction programs are implemented;
- The discharge of effluent under a modified water quality standard will not cause or contribute to a violation of a water quality standard that has been established for a downstream surface water;
- 7. The discharge of effluent will not produce or contribute to the concentration of a pollutant in the tissues of aquatic organisms or wildlife that is likely to be harmful to humans or wildlife through food chain concentration.

Because ephemeral streams provide little or no dilution, water quality criteria often have to be met at the "end-of-the-pipe." Where water quality criteria cannot be met, point source discharges may consider alternatives to discharge, including the complete removal of effluent from a surface water. High treatment costs associated with compliance with water quality-based discharge limitations may encourage point source dischargers to remove the effluent from such streams, resulting in the total loss of the effluent dependent ecosystem that is created by the discharge. In such cases, it may be appropriate to modify a water quality standard in order to allow continued discharge and maintenance of the effluent dependent ecosystem. The proposed Section may help to preserve or create in-stream flows which support desirable aquatic or riparian ecosystems.

Antidegradation

Each state must develop, adopt, and retain a statewide antidegradation policy regarding water quality standards and establish procedures for its implementation through the state's water quality management process. The state antidegradation policy and implementation procedures must be consistent with the federal antidegradation policy at 40 CFR 131.12.

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Arizona's antidegradation policy is found in the water quality standards rules at R18-11-107. The antidegradation rule can be summarized as providing three levels of water quality protection. These levels of protection are commonly referred to as Tiers 1, 2, and 3. In this rulemaking, ADEQ proposes to revise the antidegradation rule to use this terminology.

ADEQ also proposes to revise the antidegradation rule by eliminating the language at R18-11-107(A) which states that "[t]he determination of whether there is any degradation of water quality in a navigable water shall be on a pollutant-by-pollutant basis." ADEQ is proposing the deletion of this language for 2 reasons. First, the subsection implies that an antidegradation review is done only on a chemical-specific basis. However, an antidegradation review may be broader in scope. For example, a degradation of water quality may be demonstrated by an overall increase in toxicity as indicated by biomonitoring or by a decrease in the general health of an aquatic community as measured by biocriteria. The currently effective antidegradation rule might be interpreted to prohibit antidegradation analyses based upon biocriteria or biomonitoring.

Second, R18-11-107(A) of the currently effective rule addresses how the antidegradation rule is implemented. Such implementation issues are more properly addressed in a guidance document. ADEQ currently is developing detailed antidegradation implementation procedures through the Continuing Planning Process [i.e., the state water quality management planning process].

Proposed Escherichia coli [E. coli] Water Quality Standards

The currently effective water quality standards rules include microbiological water quality standards to maintain and protect water quality in surface waters that are used for full-body-contact recreation. These full-body-contact standards are expressed in terms of concentrations of an indicator organism, fecal coliforms [See R18-11-109(B)].

The currently effective fecal coliform criteria are based on recommendations made by the National Technical Advisory Committee to the Federal Water Pollution Control Administration [NTAC]. In 1968, the NTAC recommended the following microbiological criterion:

Fecal coliforms should be used as the indicator organism for evaluating the microbiological suitability of recreation waters. As determined by the multiple-tube fermentation or membrane filter procedures and based on a minimum of not less than 5 samples taken over not more than a 30-day period, the fecal coliform content of primary contact recreation waters shall not exceed a log mean of 200 cfu/ 100 ml, nor shall more than 10% of total samples during any 30-day period exceed 400 cfu / 100 ml.

In 1976, EPA recommended the fecal coliform criteria cited above as the microbiological water quality standards for recreational waters. EPA recommended fecal coliform criteria even though those criteria had been criticized by the National Academy of Sciences and others for the poor quality of data base and for deficiencies in the study design that had been used in their development.

More recent studies by EPA have shown that in fresh waters, *E. coli* is a better indicator of swimming-associated gastrointestinal illness than fecal coliform [See Dufour, Alfred, *Health Effects Criteria for Fresh Recreational Waters*, EPA 600/1-84-004, Health Effects Research Laboratory, Office of Research and Development, U.S. Environmental Protection Agency, Research Triangle Park, North Carolina (August 1984)]. The EPA freshwater studies confirm that there is a strong correlation between densities of *E. coli* and swimming-related gastrointestinal illness and that there is no correlation between densities of fecal coliform organisms and swimming-related gastrointestinal illness. ADEQ proposes to adopt *E. coli* water quality criteria for the full-body-contact designated use because *E. coli* organisms are a better indicator of the microbiological water quality in surface waters that are used for swimming.

The proposed numeric water quality criteria for *E. coli* are based upon EPA's national criteria guidance. EPA recommends that the geometric mean concentration of *E. coli* not exceed 126 cfu / 100 ml for freshwater bathing [See Ambient Water Quality Criteria for Bacteria - 1986, EPA 440/5-84-002, U.S. Environmental Protection Agency, Office of Water Regulations and Standards, Criteria and Standards Division, Washington, D.C. (January, 1986)]. EPA also recommends single-sample maximum criteria that are calculated using different confidence limits associated with anticipated levels of use. EPA recommends a single sample maximum concentration of 576 cfu / 100 ml for surface waters that are infrequently used for bathing.

Based upon this EPA criteria guidance, ADEQ proposes to adopt *E. coli* water quality criteria for surface waters with the full-body-contact designated use. ADEQ proposes to adopt a 30-day geometric mean criterion [5-sample minimum] of 130 cfu / 100 ml [the EPA-recommended density rounded to the nearest ten]. ADEQ proposes to adopt a single-sample maximum criterion of 580 cfu / 100 ml [the EPA-recommended density rounded to the nearest ten].

Dissolved Oxygen in Effluent-dependent Waters

The currently effective water quality standard for dissolved oxygen in effluent-dependent waters is 1.0 mg/L. The U.S. Environmental Protection Agency and others have criticized this dissolved-oxygen standard as being inadequate to fully protect aquatic life in effluent-dependent waters.

ADEQ proposes to revise the 1.0 mg/L dissolved-oxygen standard by adopting diurnal water quality criteria for dissolved oxygen in effluent-dependent waters. The proposed water quality criteria are expressed as single-sample minimum concentrations. During the daylight hours, from 3 hours after sunrise to sunset, ADEQ proposes that the minimum dissolved oxygen concentration for an effluent-dependent water be 3.0 mg/L. From sunset to 3 hours after sunrise, ADEQ proposes retention of the single-sample minimum concentration of 1.0 mg/L.

Dissolved oxygen is essential for all aquatic organisms that utilize aerobic respiration. There must be adequate dissolved oxygen in the water to maintain a community of aquatic organisms, even in an effluent-dependent water where other conditions may limit species diversity and abundance. Tolerances to low dissolved-oxygen levels vary from one species to the next. EPA has surveyed

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a large body of literature to determine the range of tolerances of aquatic organisms [See Ambient Water Quality Criteria for Dissolved Oxygen, EPA 440/5-86-003, U.S Environmental Protection Agency, Office of Water Regulations and Standards, Criteria and Standards Division, Washington D.C., 20460 (April, 1986), p. 1]. EPA concludes that although some species need very little oxygen to survive, a dissolved-oxygen minimum concentration is necessary to prevent mortality of aquatic organisms. A dissolved-oxygen mean concentration may be necessary to prevent sustained low concentrations of dissolved oxygen which may adversely affect the reproduction, growth and behavior of aquatic organisms.

The research on the dissolved-oxygen requirements of aquatic life that is reported in the criteria document is biased towards fish studies, especially salmonids. The criteria document presents separate dissolved-oxygen criteria for coldwater and warmwater biota. The criteria document is divided into two fish groups: salmonids and non-salmonids. The criteria document does not specifically address fish species found in effluent-dependent waters. Since most effluent-dependent waters in Arizona have warm water and do not support salmonid populations, the dissolved-oxygen criteria for nonsalmonids appear to be most applicable to the development of appropriate dissolved-oxygen criteria for effluent-dependent waters.

In general, the research cited by EPA in the criteria document indicates that nonsalmonid species appear to be considerably less sensitive than salmonids to low dissolved-oxygen concentrations. The data also indicate that the larval stage is the most sensitive life stage for nonsalmonid fish species. As a general rule, dissolved-oxygen water quality criteria that are high enough to sustain larval forms of nonsalmonid species are probably adequate to maintain all fish and inverterbrate species in an effluent-dependent water.

There is little data on the acute effects of low dissolved-oxygen concentrations on nonsalmonid fish species. Generally, adults and juveniles of all fish species can survive at concentrations of dissolved oxygen as low as 3 mg/L. In most cases, no mortality results from acute exposures to 3 mg/L of dissolved oxygen for the 24-hour to 96-hour duration of acute tests. Some nonsalmonid fish species appear to be able to survive a several-day exposure to concentrations of dissolved oxygen below 1 mg/L.

Several studies have been done on the effects of hypoxia on nonsalmonid fish species. In general, the results of these studies indicate that the critical dissolved-oxygen concentration for nonsalmonid fish species lies between 2 and 4 mg/L [The critical dissolved-oxygen concentration is the concentration of dissolved oxygen at which a reduction in the resting metabolic rate first appears].

A number of studies of the effect of dissolved-oxygen concentration on fish growth are reported in the EPA criteria document. In general, the growth of nonsalmonid species is reduced at lower dissolved-oxygen concentrations. One researcher who studied channel catfish found that there was a graded reduction in growth at each dissolved-oxygen concentration below 6 mg/L. Each mg/L increase in dissolved-oxygen concentrations between 3 and 6 mg/L increased growth 10 to 13%.

Continuous low dissolved-oxygen concentrations may have an adverse effect on the reproduction of fish. In a study of fathead minnows, it was found that no spawning occurred when the dissolved-oxygen concentration of the water was 1 mg/L. At 2 mg/L, the number of eggs produced per female was reduced. However, there was no effect on the number of eggs produced at concentrations greater than 2 mg/L. In general, the studies show that embryos are more tolerant of low dissolved-oxygen levels than are fish larvae. Several studies have provided evidence of mortality or other significant damage to young nonsalmonids as a result of a few weeks exposure to dissolved-oxygen concentrations in the 3 to 6 mg/L range.

The EPA national criteria recommendations for ambient dissolved-oxygen concentrations for the protection of aquatic life in warm water are as follows:

Early life stages		Other life stages
30-day mean	NA	5.5
7-day mean	6.0	NA
7-day mean minimum	NA	4.0
1-day minimum	5.0	3.0

These EPA recommendations are derived from production impairment estimates. The mean concentrations that are recommended by EPA represent values which fall somewhere between providing the maximum protection to the fishery resource and a high level of protection which risks only slight impairment of production in most cases. The EPA-recommended minimum concentration is established at a concentration which will prevent acute mortality of sensitive warmwater species.

The proposed diurnal standard for effluent-dependent waters provides a minimum level of protection which prevents mortality of aquatic organisms. The proposed standards assume a greater degree of production impairment in an effluent-dependent water. The proposed diurnal standards also recognize that dissolved-oxygen levels in an effluent-dependent water are subject to variation. During the day, the photosynthetic production of oxygen by aquatic plants in an effluent-dependent water usually exceeds the uptake of dissolved oxygen by aquatic organisms and the oxygen demand associated with the decomposition of organic material in the effluent, resulting in higher concentrations of dissolved oxygen. However, at night, dissolved-oxygen levels steadily decline as photosynthesis ceases and plant and animal respiration, coupled with the oxidation of carbonaceous and nitrogenous material, gradually deplete the available dissolved oxygen in the water column. The proposed standard of 1.0 mg/L for the night recognizes the dissolved-oxygen sag that typically occurs at night in an effluent-dependent water.

The proposed diurnal standards for dissolved oxygen are an improvement over the currently effective water quality standard of 1.0 mg/L which applies to an effluent-dependent water on a continuous basis. The daytime standard of 3.0 mg/L is more stringent and

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provides a higher level of protection for aquatic organisms. ADEQ acknowledges that the 1 mg/L standard which will apply at night is not fully protective of aquatic species if it is applied continuously. However, the proposed 1.0 mg/L dissolved-oxygen standard applies only during the night. In a recent study conducted on the South Platte River in Colorado [an EDW], researchers investigated diurnal variations in dissolved-oxygen concentrations and their effect on fish. It was found that fish are capable of surviving dissolved-oxygen concentrations as low as 1 mg/L during the night if the dissolved-oxygen concentration returns to higher levels during the day. In the absence of site-specific data from effluent-dependent waters to support an alternative dissolved-oxygen standard, ADEQ proposes to retain the current standard of 1.0 mg/L.

Turbidity

Turbidity is a measure of water clarity. Changes in turbidity are caused by the presence of organic and inorganic particulate matter that is suspended in water such as clay, silt, finely divided organic material, bacteria, plankton, and other microscopic organisms. Arizona's currently effective water quality standards for turbidity are expressed as maximum concentrations in nephelometric turbidity units [NTUs]. The following turbidity standards apply to surface waters in Arizona:

Waterbody	FBC, PBC, A&Ww, A&Wedw	A&Wc
Rivers, streams, & other flowing waters	50 NTUs	10 NTUs
Lakes, reservoirs, tanks, and ponds	25 NTUs	10 NTUs

The currently effective standards were established primarily to protect aquatic life from the adverse effects of high concentrations of suspended solids in water. ADEQ recognizes that turbid water may interfere with the recreational use and aesthetic enjoyment of water. For example, turbid water may be dangerous for swimming and diving because of the possibility of unseen submerged hazards and the difficulty of locating swimmers who are in danger of drowning. In general, the less turbid the water, the more desirable it becomes for swimming and other water recreation. However, the currently effective numeric water quality criteria for turbidity for the full-body-contact and partial-body-contact designated uses were not established to protect these designated uses. The numeric water quality criteria of 50 NTUs and 25 NTUs have no relationship to the maintenance of water quality for primary or secondary contact recreation. ADEQ proposes to eliminate the numeric water quality criteria for turbidity which have been established for the full-body-contact and partial-body-contact water quality designated uses because they are not scientifically defensible.

Unique waters

The Director of the ADEQ may classify a surface water as a unique water upon making a finding that the surface water is an outstanding state resource water. The Director may make a finding that a surface water is an outstanding state resource water based upon one of the following:

- The surface water is of exceptional recreational or ecological significance because of its unique attributes, including but not limited to, attributes related to the geology, flora, fauna, water quality, aesthetic values, or wilderness characteristics of the surface water; or
- Threatened or endangered species are known to be associated with the surface water and the existing water quality is
 essential to the maintenance and propagation of a threatened or endangered species, or the surface water provides critical
 habitat for a threatened or endangered species.

ADEQ proposes to classify the following surface waters as unique waters in this rulemaking:

- 1. Aravaipa Creek from the confluence of Stowe Gulch to the downstream boundary of the Aravaipa Canyon Wilderness
- Cave Creek and the South Fork of Cave Creek in the Chiricahua Moutains, from their headwaters to the Coronado National Forest boundary; and
- Buehman Canyon Creek from its headwaters to approximately 9.8 miles downstream.

Each of these surface waters meets the criteria for classification as a unique water. A brief description of each proposed unique water follows. A more complete description of each surface water is contained in the nomination document for each surface water which is on file in the ADEQ Water Quality Assessment Unit.

Aravaipa Creek

Aravaipa Creek is located within Graham and Pinal Counties and is tributary to the San Pedro River. The perennial reach of Aravaipa Creek begins at the confluence of Stowe Gulch and usually flows to the confluence of Holy Joe Canyon where the streamflow usually goes subsurface. The creek is located in the Aravaipa Canyon Wilderness Area. Aravaipa Creek has long been recognized as a significant natural resource because of its ecological importance, wilderness characteristics, and recreational value.

Aravaipa Creek is widely recognized as one of Arizona's best remaining native fish habitats. The creek provides habitat for seven species of native fish, two of which are currently listed on the U.S. Fish & Wildlife Service's list of threatened and endangered species [the spikedace (*Meda fulgida*) and the loach minnow (*Tiaroga cobitia*)]. Fish counts by the Arizona Game & Fish Department have shown the presence of the threatened Colorado Roundtail Chub [Gila robusta].

In addition to threatened or endangered fish species, Aravaipa Creek and its tributary canyons provide valuable habitat for the following threatened or endangered species which utilize the area either as full-time residents, winter residents, or as migrants:

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American peregrine falcon, gray hawk, common black hawk, red bat, great egret, snowy egret, black-bellied whistling duck, bald eagle, osprey, yellow-billed cuckoo, belted kingfisher, rose-throated becard, and willow flycatcher.

Cave Creek and South Fork of Cave Creek

Cave Creek and the South Fork of Cave Creek are located on the eastern side of the Chiricahua Mountains in southeastern Arizona. Both surface waters are located within the Coronado National Forest. The headwaters of both surface waters are located within the Chiricahua Wilderness Area.

Due to the presence of perennial flow in Cave Creek and the South Fork of Cave Creek and the combination of varied life zones through which these surface waters descend, the Cave Creek Canyon watershed has been described as a "natural treasure" and "one of the premier sites for field biology in the world." The American Museum of Natural History operates the Southwestern Research Station in Cave Creek Canyon to conduct long-term research into what has been described as "probably the richest biota in the United States."

The Cave Creek Canyon watershed is well known for the abundance and diversity of its bird species. Over 200 bird species have been identified. Other important wildlife species which inhabit the Cave Creek Canyon watershed include black bear, white-tailed deer, mountain lion, ringtail cat, coatimundi, striped skunk, Apache squirrel, and wild turkey.

Cave Creek and the South Fork of Cave Creek provide critical habitat for the following threatened and endangered species: Sanborn's Long-nosed Bat, Mexican Long-Tongued Bat, Red Bat, Chiricahua Leopard Frog, American Peregrine Falcon, Mexican Spotted Owl, Violet-crowned Hummingbird, Elegant Trogon, Buff-breasted Flycatcher, and Northern Goshawk. Several threatened and endangered plant species also have been identified in the Cave Creek and South Fork of Cave Creek canyon areas.

Buehman Canyon Creek

Buehman Canyon Creek is an outstanding state resource water located approximately 20 miles northeast of Tucson, Arizona in the Coronado National Forest. Buehman Canyon Creek originates on the east slope of the Santa Catalina Mountains and trends in a generally easterly direction for approximately 13 miles to its confluence with the San Pedro River. Buehman Canyon Creek is an unusual and unique surface water which provides a continuous wildlife migration corridor between the upper elevations of the Santa Catalina Mountains and the San Pedro River valley.

Buehman Canyon Creek descends through several different life zones and supports a rich diversity of flora and fauna, including numerous species that are listed or are candidates for listing as threatened or endangered species. For example, the creek supports several species of native freshwater fish that are endangered or threatened, including the Longfin Dace, the Gila Topminnow, and the Desert Pupfish.

Buehman Canyon Creek also provides exceptional recreational opportunities. The creek's proximity to Tucson, Arizona and its outstanding scenery and wilderness characteristics make it a valuable resource for outdoor recreation, including nature study, hiking, photography, and birdwatching.

Aravaipa Creek, Cave Creek, South Fork of Cave Creek, and Buehman Canyon Creek support outstanding riparian areas. The protection and restoration of such riparian habitat is critically important in Arizona. Arizona's riparian ecosystems are limited, occupying less than 0.5% of the landscape. However, they constitute Arizona's richest environments in terms of plant and animal productivity and biodiversity. The Arizona Game and Fish Department has estimated that 75% or more of all Arizona's native wildlife species depend on healthy riparian ecosystems during some portion of their life cycle. Riparian systems are critical to the survival of approximately 60% of the Arizona fish and wildlife species that are identified as threatened or endangered.

Desert riparian areas have been described as Arizona's most threatened natural community. According to most estimates, over 90% of the riparian areas along Arizona's major desert watercourses have been lost, altered, or degraded as a result of man's activities. These activities include mining, sand and gravel extraction, grazing, timber harvesting, groundwater pumping, water diversion, impoundments, channelization, flood control, and urbanization.

In recognition of the critical importance of desert riparian habitat to Arizona, Governor Rose Mofford signed Executive Order 89-16 on June 10, 1989. This executive order directs all state agencies to determine whether current and proposed policies, actions, and requirements impact stream and riparian resources and, when appropriate, to implement changes that will allow for the restoration of riparian resources. On February 14, 1991, Governor Rose Mofford signed Executive Order 91-6. Executive Order 91-6 again recognizes the critical importance of riparian areas to Arizona and states that it is Arizona's policy to actively encourage and develop management practices that will result in the maintenance of existing riparian areas and the restoration of degraded riparian areas and to actively encourage the preservation, maintenance, and restoration of instream flows throughout the State. The proposed unique waters classifications will further Arizona's policy with regard to protection and management of the state's remaining riparian areas.

ADEQ also proposes to repeal certain site-specific standards for unique waters that are precribed in R18-11-112(F). In general, ADEQ proposes to repeal the site-specific standards where the default water quality standards which apply to all surface waters are more stringent. Also, ADEQ is proposing to adopt site-specific standards for two unique waters, Cienega Creek and Bonita Creek, which were classified as unique waters during the last triennial review. Finally, ADEQ is proposing to update the lists of endangered or threatened species that are incorporated by reference in the unique waters rule.

Effluent-dependent Waters

ADEQ proposes to revise the descriptions of many of the effluent-dependent waters in the state. The proposed descriptions are

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more accurate because they are based upon survey information obtained from the operators of the wastewater treatment plants which create the effluent-dependent waters. ADEQ is proposing that several effluent-dependent waters be deleted from the rule either because: 1) they are located on tribal lands that are outside the state's jurisdiction, or 2) the wastewater treatment plant that originally created the effluent-dependent water has stopped discharging and the effluent-dependent water no longer exists.

Practical Quantitation Limits [PQLs]

In the last triennial review, ADEQ adopted R18-11-120(B). This subsection states:

A numeric water quality standard may be established at a concentration that is below the practical quantitation limit. In such cases, the water quality is enforceable at the practical quantitation limit. The applicable practical quantitation limits are prescribed in Appendix C of this Article.

The PQL is defined as the lowest level that is achievable by laboratories, within specified limits, during routine laboratory operations. As such, the PQL represents a practical and routinely achievable detection limit with a relatively good certainty that any reported value is reliable. It thus provides a compliance limit that is both quantifiable and enforceable.

ADEQ adopted R18-11-120(B) during the last triennial review to provide regulatory certainty regarding the enforcement of water quality standards. During the last triennial review, ADEQ acknowledged that many of the state-adopted numeric water quality standards for toxic pollutants were established at concentrations that could not be reliably detected and quantified. ADEQ adopted R18-11-120(B) to provide guidance to the regulatory community regarding the enforcement of water quality standards that were expressed at concentrations below reliable levels of detection and quantification. ADEQ stated in the rule that such water quality standards are enforceable at the PQL. ADEQ also adopted Appendix C which prescribes the specific PQLs at which the water quality standards would be enforced.

On September 9, 1993, EPA disapproved the inclusion of PQLs in Appendix C. While EPA found that the PQLs that were prescribed in Appendix C were acceptably derived and reasonable, EPA objected to the inclusion of PQLs in the rule because the PQLs could not be readily modified to keep pace with improvements in analytical technology. EPA stated that the state must remove Appendix C from the rules for the water quality standards to be approved. EPA did not fundamentally object to the use of PQLs for enforcement purposes and stated that ADEQ could include PQLs in a policy statement or guidance document.

ADEQ is proposing to amend R18-11-120(B) in response to this EPA disapproval. ADEQ will retain the general statement of enforcement policy which states that ADEQ will enforce any water quality standard that is established at a concentration that is below the practical quantitation limit at the PQL. However, ADEQ proposes to repeal the sentence in R18-11-120(B) which states that "[t]he applicable PQLs are prescribed in Appendix C of this Article." The repeal of this sentence and Appendix C will resolve the EPA disapproval and avoids a federal promulgation of water quality standards in this regard. ADEQ intends to list specific PQLs in a separate guidance document.

Schedules of compliance

ADEQ is proposing to amend the timeframes that apply to schedules of compliance. The currently effective rule states at R18-11-121(A) that a compliance schedule which is established in an NPDES permit shall require compliance with water quality-based discharge limitations within 3 years of the effective date of the water quality standard. ADEQ proposes to amend this provision to require that compliance be required within 3 years of issuance of the NPDES permit. The currently effective rule is extremely difficult to administer because it requires knowledge of the effective dates of each water quality standard in Chapter 11, Article 1. The proposed rule ties the schedule of compliance to a known date: the date of issuance of the NPDES permit.

Also, ADEQ proposes to repeal the last sentence of R18-11-121(C) which states that a schedule of compliance for a stormwater discharge shall require compliance with water quality standards no later than 10 years after the effective date of the water quality standard. Again, this provision is difficult to administer because it requires knowledge of the effective date of each water quality standard in Chapter 11, Article 1. The water quality standards and their effective dates will change over time. It is not possible to determine the effective date of any single water quality standard from the rules as they are currently formatted.

In the last triennial review, ADEQ established a 10-year period as a compliance "window" for stormwater discharges. ADEQ created this "window" to allow time for Congress to resolve issues related to stormwater discharges in the debate over Clean Water Act reauthorization. The Clean Water Act has not been reauthorized as of the date of the proposal of these rules. ADEQ believes a repeal of the specific timeframe for compliance with water quality standards is advisable while the Congressional debate over Clean Water Act reauthorization is still pending. Hopefully, Congress will specifically address issues related to stormwater discharges and the compliance with water quality standards when the Act is reauthorized.

Variances

ADEQ proposes a new Section which establishes a procedure for granting a variance from a water quality standard [See R18-11-122]. EPA has stated that variances from state-adopted water quality standards are allowed [See Water Quality Standards Handbook, 2nd Edition, EPA-823-B-94-005a, U.S. Environmental Protection Agency, Water Quality Standards Branch, Office of Science & Technology, Washington, D.C., § 5.3 (August, 1994)].

According to EPA, a variance from water quality standards involves the same substantive and procedural requirements which apply to the removal of a designated use through the use attainability process, except that variances are discharger-specific, pollutant-specific, limited in duration, and do not result in a change to a designated use. According to EPA guidance, a variance is viewed as an alternative to the permanent downgrade of a water quality standard. A variance is used where a state believes that a water quality standard can ultimately be attained. By maintaining the water quality standard and granting a variance, the state can

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assure that reasonable progress is made in improving water quality. With a variance, a NPDES permit may be written to ensure that reasonable progress is made toward attaining the water quality standard without violating §402(a)(1) of the Clean Water Act which requires that NPDES permits ensure compliance with water quality standards.

The proposed variance procedure which will make it possible to grant a variance where a point source discharger demonstrates that it is not feasible to immediately comply with an applicable water quality standard because of technological limitations or substantial economic hardship. The proposed procedure will allow short-term noncompliance with a water quality standard while maintaining the standard as a water quality goal for the surface water.

In the last triennial review, Arizona adopted a comprehensive set of numeric water quality standards for toxic pollutants. The numeric water quality criteria were derived using methodologies that did not take the economic or technical feasibility of achieving compliance into consideration. The criteria were established at concentrations deemed necessary to protect the various designated uses. ADEQ believes that a variance procedure should be included in the water quality standards rules to provide regulatory flexibility when it is not technically or economically feasible for a point source discharger to achieve compliance. Situations can and do arise where a point source discharger cannot comply with a water quality standard because the treatment technology is unavailable or the cost of treatment is too high. In such cases, a variance procedure provides a mechanism for maintaining the water quality standard as the ultimate water quality goal for a surface water while providing short-term relief from the water quality standard for a specific discharge. The grant of a variance does not modify a water quality standard but would provide the legal basis for the establishment of alternative discharge limitations in an NPDES permit. The allowance of a variance on a discharger-specific, pollutant-specific, short-term basis is preferable to a permanent downgrade of the water quality standards for a surface water through the use attainability process.

Under the proposed rule, a variance could be granted on a discharger-specific basis for a period of up to 5 years. ADEQ anticipates that a variance would be implemented through an NPDES permit for a specific discharge. The point source discharger would have to document that treatment more advanced than that required by technology-based effluent limitations prescribed by the Clean Water Act is necessary to achieve compliance with the water quality standard and that alternative discharge control strategies have been evaluated. The point source discharger will have to document that it is not technically or economically feasible to install and operate any of the available discharge control technologies to achieve compliance with the water quality standard. The applicant for a variance also will have to demonstrate that the discharge of the pollutant for which a variance is sought is reduced to the maximum extent practicable through implementation of a local pretreatment program, source reduction or waste minimization. Any person who requests a variance will be required to propose interim discharge limitations which represent the highest level of treatment achievable by the point source discharger during the term of the variance.

A variance may be renewed under the proposed rule, but a point source discharger who seeks renewal will have to demonstrate that reasonable progress towards achieving compliance with the water quality standard has been made during the term of the variance.

The proposed rule also includes public participation procedures and provides a right of appeal to any person who may be adversely affected by a decision to grant or deny a variance from a water quality standard. The proposed rule clarifies that all variances are subject to EPA review and approval.

Proposed Repeal of Article 2: Discharge Limitations

ADEQ proposes to repeal Article 2 in this rulemaking. The three currently effective Sections in Article 2 [R18-11-202, R18-11-203 and R18-11-205] have been moved to Article 1 of the proposed rules. R18-11-202, which establishes discharge limitations for phosphates for certain specific surface waters has been moved to R18-11-109(H)(11) and (12). In relocating this Section, ADEQ deleted references to surface waters that are located on tribal lands. The prohibition on the discharge of treated wastewater to Sabino Creek at R18-11-203 has been relocated to R18-11-123 without change. Finally, ADEQ relocated R18-11-205 [which addresses discharge limitations for point source discharges to ephemeral waters] to R18-11-113(E).

Proposed Revisions to Numeric Water Quality Criteria in Appendix A

ADEQ proposes to repeal the currently effective Appendix A and to replace it with a new, reformatted Appendix A. The proposed Appendix A is separated into 2 tables. Table 1 lists the numeric water quality criteria to protect human health and agricultural uses. These include the domestic water source [DWS], fish consumption [FC], full-body-contact [FBC], partial-body-contact [PBC], agricultural irrigation [AgI], and agricultural livestock watering [AgL] designated uses. Table 2 lists the numeric water quality criteria to protect aquatic life and wildlife. The division of Appendix A into 2 tables will enhance its readability.

The reformatted table includes a column for the chemical abstract number [CAS] for each pollutant. Many chemicals have similar names and spellings and some have multiple names. The chemical abstract number is a specific identifier for each chemical. The identification of the chemical by CAS number will provide certainty as to the chemicals for which water quality standards have been established.

ADEQ proposes to update the numeric water quality criteria that have been established to protect human health. No changes are proposed to the numeric water quality criteria that have been established to protect the aquatic and wildlife designated uses or the agricultural uses [AgI and AgL].

In the last triennial review, ADEQ used EPA methodologies to derive water quality criteria to protect the domestic water source [DWS], full-body-contact [FBC], and fish consumption [FC] designated uses. Separate methodologies were used to derive water quality criteria for carcinogens and non-carcinogens. The methodology used to derive criteria for carcinogens utilizes a cancer potency slope value, or q1*, in the equation used to calculate the criterion. The methodology for non-carcinogens utilizes a refer-

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ence dose, or Rfd. The q1* and Rfd values were obtained from EPA's Integrated Risk Information System database [IRIS]. ADEQ does not propose to change any of the methodologies used to derive water quality criteria to protect human health in this rulemaking [except for arsenic: see rationale in following table]. However, where values for cancer potency slopes or reference doses have been revised in the IRIS database, ADEQ has recalculated the numeric water quality criteria. If a new q1* or Rfd has been published in the IRIS database, ADEQ used the new value to recalculate the criteria. If a q1* has been withdrawn and a Rfd is available, then ADEQ recalculated the standard using the methodology for non-carcinogens and the available Rfd. If a q1* has been withdrawn and no Rfd is available, then ADEQ has withdrawn the numeric water quality criterion and replaced it with "NNS" or "no numeric standard."

Numeric water quality criteria to protect the domestic water source designated use are based upon available National Primary Drinking Water Maximum Contaminant Levels [MCLs] or EPA methodologies for deriving criteria for water ingestion. If a new MCL has been published for a chemical since the last triennial review, then ADEQ has adopted the MCL as the numeric water quality criterion for that chemical for the domestic water source designated use.

The calculation of the numeric water quality criteria for the partial-body-contact designated use are based upon EPA one-day health advisory standards [ODHA]. Where an ODHA is unavailable, ADEQ calculated a water quality criterion for the partial-body-contact designated use using the Rfd. Where neither an ODHA or Rfd is available, then no numeric standard was calculated for the partial-body-contact designated use. After all the recalculations were completed, if the numeric water quality criterion for partial-body contact was more stringent than the numeric water quality criterion for full-body contact, then the full-body-contact criterion was lowered to equal the partial-body-contact standard.

The tables on the following pages present the revisions that have been made to the numeric water quality criteria for the DWS, FC, FBC, and PBC designated uses. The table includes a column which indicates a "+" or a "-" for each pollutant. A "+" means that the proposed standard is less stringent than the 1992 standard or that the numeric water quality criterion was revised to "no numeric standard." A "-" means that the proposed standard is more stringent than the 1992 standard or that a "no numeric standard" is replaced with a calculated water quality criterion.

		ă	DOMESTIC WATER SOURCE	JRCE
Parameter	-/+	1992 Standard	Proposed Standard December, 1995	Rationale For Proposed Standard Change
Acenaphthylene	+	0.003	NNS	Now classified as a Class D carcinogen. No RfD available,
Antimony	+	2.8 T	6 T	Published MCL is 6 μ g/L and is expressed as total autimony.
Barium	+	1000 D	2000 T	Published MCL is 2000 µg/L and is expressed as total barium.
Венго (а) ругене	+	0.003	0.2	Published MCL is 0.2 µg/L.
Benzo (ghi) perytene	+	0.003	NNS	Now classified as a Class D carcinogen. No RfD available.
Beryllium	+	0.008 T	4 T	Published MCL is 4 $\mu g/L$ and is expressed as total beryllium.
Bis(2-ethylhexyl)phthalate (Di(2-ethylhexyl)phthalate)	+	2.5	9	Published MCL is 6 μ g/L.
Вотон	1	NNS	630	A new RfD (0.09) has been listed on IRIS.
Cyanide	+	140 T	200 T	Published MCL is 200 µg/L.
1,3-Dichteropropene	à	2.1	0.2	Incorrectly considered non-carcinogen in 1992 standards. Recalculated as carcinogen with $q1^{\ast}$ of 0.18,
2,4-Dinitrotoluene	+	00.00	14	New RfD (0.002) published.
Endosulfan-alplıa	**	0.35	Combine &&B to Endosulfan (Total)	The stereoisomers of endosulfan (α and θ) will be combined into one standard and reflect the new RfD (0.006) listed on IRIS for Endosulfan (Total).
Endosulfan-beta	+	0.35	Combine α&B to Endosulfan (Total)	The stereoisomers of endosulfan (α and β) will be combined into one standard and reflect the new RfD (0.006) listed on IRIS for Endosulfan (Total).
Endosulfan (Total)	+		42	See rationale for Endosulfan-alpha or -beta.
Hexachlorobenzene	+	0.02		Published MCL is 1 µg/L.
Hexachlorocyclopentadiene	+	49	50	Published MCL is 50 µg/L.

		DC	DOMESTIC WATER SOURCE	ЛСБ
Parameter	-/+	1992 Standard	Proposed Standard December, 1995	Rationale For Proposed Standard Change
Isophorone	+	8.5	36.8	New q1* (9.5E-4) published.
Manganese	,	NNS	4900 T	New RfD used to calculate draft standard. However, in November 1995, revised RfD (0.14) published resulting in new proposed standard.
Mercury		2.1 T	2 T	Published MCL is 2 µg/L.
Methylene Chloride (Dichloromethane)	+	4.7	જ	Published MCL is 5 µg/L.
Nickel	•	140 T	1.00 T	Published MCL is 100 µg/L.
Pentachtorophenol	-	210	****	New q1* (0.12) published.
Phenauthrene	+	0.003	NNS	Classified as a Class D carcinogen. No RfD available.
Thallium	+	0.63 T	2 T	Published MCL is 2 µg/L.
1,2,4-Trichlorobenzene	ŧ	NNS	70	Published MCL is 70 µg/L.
1,1,2-Trichtoroethane	+	0.61	\$	The MCL is now 5 µg/L.
Zinc	4	5000 T	2100 T	New RfD (0.3) published.

			FISH CONSUMPTION	X
Parameter	-/+	1992 Standard	Proposed Standard December, 1995	Rationale For Proposed Standard Change
Acenaphthylene	+	0.002	NNS	Now classified as a Class D carcinogen. No RfD available.
Arsenic	+	3.1.7	1450	Now classified as a non-carcinogen for tissue consumption on the basis that arsenic in tissue is primarily the relatively non-toxic organic form rather than the relatively toxic inorganic form. The RtD (0.0003) was used to calculate the standard, and the result was multiplied by a 0.9 uncertainty factor to account for the possibility of some inorganic arsenic.
Benzidine	+	0.0007	0.002	New q1* (4.3) published.
Benzo (ghi) perytene	+	0.00001	NNS	Now classified as a Class D carcinogen. No RfD available.
Cadmium	ı	83 T	41 T	Error in 1992 standards calculation corrected.
Dibromochloromethane (Bromodichloromethane)	+	10	22	New q1* (0.06) published.
1,3-Dichlorobenzene	+	1200	2000	Brror in 1992 standards calculation corrected.
1,3-Dichtoropropene	•	360	9:9	Byror in 1992 standards calculation corrected.
2,4-Dinitrotoluene	+	0.02	163	New RfD (0.002) published.
Endosulfan-alpha	·	0.92	Combine α&β to Endosulfan (Total)	The stereoisomers of endosulfan (α and β) will be combined into one standard and reflect the new RfD (0.006) listed on IRIS for Endosulfan (Total).
Endosulfan-beta	+	0.92	Combine æ&s to Budosulfan (Total)	The stereoisonners of endosulfan (α and β) will be combined into one standard and reflect the new RfD (0.006) listed on IRIS for Endosulfan (Total).
Endosulfan (Total)	÷		011	See rationale for Endosulfan-alpha or -beta;
Isophorone	÷	520	2300	New q1* (9.5E-4) published.
Nickel	+	400 T	730 T	Error in 1992 standards calculation corrected.

			FISH CONSUMPTION	
Parameter	~/+	1992 Standard	Proposed Standard December, 1995	Rationale For Proposed Standard Change
N-nitrosodiphenylamine	+	12	†1	Rounding error in 1992 standards calculation corrected.
Pentachlorophenol		29000	8.2	New q1* (0.12) published.
Phenauthrene	+	0.0005	NNS	Classified as a Class D carcinogen. No RfD available.
Thallium	1	44 T	41 T	The RDs for 5 species of thallium were averaged to arrive at a total RD of 8.4E-5.
1,2,4-Trichlorobenzene	•	NNS	155	New RfD (0.01) published.
Zinc	1	NNS	22000 T	New RfD (0.3) published.

			FULI, BODY CONTACT	
Parameter	-/+	1992 Standard	Proposed Standard December, 1995	Rationale For Proposed Standard Change
Acenaphthylene	+	0.12	NNS	Acenaphthylene is now considered a class D carcinogen. No RfD is published.
Acrolein	+	1300	2200	The FBC standard for this toxicant is driven by the PBC standard!. See PBC change table.
Alachtor	\$	NNS	1400	New RfD (0.01) published.
Authracene	1	420000	42000	The FBC standard for this toxicant is driven by the PBC standard. See PBC change table.
Atrazine	1	NNS	4900	New RfD (0.035) published.
Barium	+	1000 D	9800 D	New RfD (0.07) published.
Вепzо (а) рутепе	÷	0.12	0.2	New q1* (7.3) published.
Benzo (ghi) perylene	+	0.12	NNS	Benzo (ghi) perylene is now considered a class D carcinogen. No RfD is published.
Beryllium,	+	0.33 T	4 T	The calculated standard is less than the MCL; the MCL was substituted?
Boron		NNS	12600	New RfD (0.09) published.
Carbofuran		SNN	700	New RfD (0.005) published.
Chlorine (total residual)	1	NNS	14000	New RfD (0.1) published.
Cyanide .	ı	3100 T	2800 T	The FBC standard for this toxicant is driven by the PBC standard!. See PBC change table.
Dichlorobromomethane (Bromodichloromethane)	+		100	'fhe calculated standard is less than the MCL; the MCL was substituted?
1,2-Dibromoethane	ŧ	NNS	1.6	New q1* (0.85) published.

			FULL BODY CONTACT	i.
Parameter	+	1992 Standard	Proposed Standard December, 1995	Rationale For Proposed Standard Change
1,1-Dichloroethane	+	14000	SNN	There is no RfD for 1,1-Dichloroethane and it is considered a class C carcinogen.
2,4-Dichlorophenoxyacetic acid	1	NNS	1400	New RfD (0.01) published.
1,2-Dichloropropane	+	200	NNS	There is no RfD or q1* available.
1,3-Dichloropropene	3	09	7.8	Brror in 1992 standards calculation corrected.
2,4-Dimethylphenol	ŧ	28000	2800	The FBC standard for this toxicant is driven by the PBC standard!. See PBC change table.
Dincethyl phthalate	ı	14000000	1400000	The FBC standard for this toxicant is driven by the PBC standard!. See PBC change table.
2-methyl-4,6-Dinitrophenol (4,6-Dinitro-o-cresol)		550	55.	The FBC standard for this toxicant is driven by the PBC standard. See PBC change table.
2,4-Dinitrotoluene	+	0.380	280	The FBC standard for this toxicant is driven by the PBC standard!. See PBC change table.
Endosulfan-alpha	+	70	Combine α&β to Endosulfan (Total)	The stereoisomers of endosulfan (α and β) will be combined into one standard and reflect the new RfD (0.006) listed for Endosulfan (Total). The FBC standard for this toxicant is driven by the PBC standard. See PBC change table.
Bndosulfan-beta	+	70	Combine &&B to Endosulfan (Total)	The stereolsomers of endosulfan (α and θ) will be combined into one standard and reflect the new RfD (0.006) listed for Endosulfan (Total). The PBC standard for this toxicant is driven by the PBC standard. See PBC change table.
Endosulfan (Total)	+		840	See rationale for Endosulfan-alpha or -beta.
Bihylbenzene	ŧ	64000	14000	The FBC standard for this toxicant is driven by the PBC standard.\ See PBC change table.

			FULL BODY CONTACT	
Parameter	-/+	1992 Standard	Proposed Standard December, 1995	Rationale For Proposed Standard Change
Heptachlor	+	0.31	0.4	The calculated standard is less than the MCL; the MCL was substituted?.
Heptachlor epoxide	+	0.15	0.2	The calculated standard is less than the MCL; the MCL was substituted2.
Hexachlorobenzene	+	0.83		The calculated standard is less than the MCL; the MCL was substituted?.
Isophorone	+	340	1500	New q1* (9.5E-4) published.
Мандансѕе		NNS	19600 T	New RfD used to calculate draft standard. However, in November 1995, revised RfD (0.14) published resulting in new proposed standard.
Methoxychlor	1	NNS	700	New RfD (0.005) published.
Naphthalene	+	990	NNS	Naphthalene is now considered a class D carcinogen. No RfD-is published.
Nirate		NNS	224000	New RfD (1.6) published.
Niric		NNS	14000	New RfD (0.1) published.
Pentachtorophenol		2000	11.7	New q1* (0.12) published.
Phenanthrene	+	0.120	NNS	Phenanthrene is now considered a class D carcinogen. No RfD is published.
Polychlorinatedbiphenals	+	0.18	0.5	The calculated standard is less than the MCL; the MCL was substituted?.
Selenium	+	420 T	700 T	Error in the 1992 standards calculation was corrected.
Styrene	1	NNS	28000	New RfD (0.2) published.
Thallium	·	3700 T	12 T	The FBC standard for this toxicant is driven by the PBC standard. See PBC change table.
Tolucite	•	42000	28000	The FBC standard for this toxicant is driven by the PBC standard'. See PBC change table.
1,2,4-Trichlorobenzene		2800	1400	New RfD (0.01) published.

		·	FULL BUIL CUMPACE	
Parameter + / -	/-	1992 Standard	Proposed Standard December, 1995	Rationale For Proposed Standard Change
1,1,1-Trichlorocthane		13000	12600	1,1,1-Trichloroethane is a class D carcinogen and the RM has been withdrawn. The FBC standard for this toxicant is driven by the PBC standard¹. See PBC change table.
2-(2,4,5-Trichlorophenoxy) proprionic acid		NNS	1120	New RfD (0.01) published.
Xylenes -		NNS	280000	New RfD (2.0) published.
Zinc +		28000	42000 T	The FBC standard for this toxicant is driven by the PBC standard¹. See PBC change table.

standard. Because FBC is designed to protect submergence (or swimming) and PBC is designed to protect incidental contact with water, it is appropriate that the FBC standard to more stringent than the PBC standard, then the FBC standard, then the FBC In some instances the methodology used to calculate the Full Body Contact (FBC) standard results in a value that is less stringent than the Partial Body Contact (FBC) standard is made equivalent to the PBC standard. In instances where the methodology used to calculate the FBC standard results in a value that is less than the Domestic Water Source (DWS) standard that is based on an MCL, the MCL is substituted for the FBC calculated standard. This approach recognizes that the MCL is designed to protect drinking water. If it is safe to drink the water, then it is safe to swim in the water.

		2	PARTIAL BODY CONTACT	ACT
Parameter	-/+	1992 Standard	Proposed Standard December, 1995	Rationale For Proposed Standard Change
Acrolein	+	1300	2200	EPA one day health advisory (ODHA) for a child!.
Acrylonitrile	-	1400	NNS	No ODHA or RfD available to calculate standard.
Alachtor	ŧ	NNS	1400	RfD (0.01) used to calculate standard.
Anthracene	•	NNS	42000	Error in 1992 standard calculation corrected.
Arsenic	,	2800 T	50 T	Calculated with RfD, but because MCL (50 T) is greater, it is substituted as the partial body contact standard.
Atrazine	ſ	NNS	4900	RfD (0.035) used to calculate standard.
Barium	ŧ	NNS	9800 D	RfD (0.07) used to calculate standard.
Benzene	+	470	NNS	Standard based on the EPA ODHA for children.
BHC-gamma (findane) (Hexachlorocyclohexane gamma)	E .	2500	42	Standard based on the BPA ODHA for children.
Bis(2-cthylhexyl) phthalate (Di(2-cthylhexyl) phthalate)	t	28000	2800	Error in 1992 standard calculation corrected.
Boron	,	NNS	12600	RfD (0.09) used to calculate standard.
Carbofuran	*	NNS	700	RfD (0.005) used to calculate standard.
Carbon tetrachloride	•	8000	98	Standard based on the BPA ODHA for children.
Chlordane	ŧ	110	8.4	Standard based on the BPA ODHA for children.
Chlorine (total residual)		NNS	14000	RfD (0.10) used to calculate standard.
Cyanide	\$	3100 T	2800 T	Standard based on the BPA ODHA for children.
DDT	ı	700	. 02	Brror in 1992 standard calculation corrected.

			PARTIAL BODY CONTACT	ACT
Parameter	-/.+	1992 Standard	Proposed Standard December, 1995	Rationale For Proposed Standard Change
1-3 Dichlorobenzene	3	13000	1880	Brror in 1992 standard calculation corrected,
1,4-Dichlorobenzene	ŧ	13000	1880	Brror in 1992 standard calculation corrected.
1,1-Dichloroethane	+	14000	NNS	No ODIAA or RfD available to calculate standard.
1,2-Dichloroethane	+	10000	NNS	No ODHA or RfD available to calculate standard.
2,4-Dichlorophenoxyacetic acid	1	NNS	1400	
1,2-Dichloropropane	+	200	NNS	No ODHA or RfD available to calculate standard.
1,3-Dichloropropene	ŧ	09	42	Standard based on the BPA ODHA for children.
2,4-Dimethylphenol		NNS	2800	RfD (0.02) used to calculate standard.
Dimethyl pluthalate	1	NNS	. 1400000	Standard based on the EPA ODHA for children.
2-methyl-4,6-Dinitrophenol (4,6-Dinitro-o-cresol)		NNS	55	Standard based on the EPA ODHA for children.
2,4-Dinitrotoluene		NNS	280	RfD (0.002) used to calculate standard.
Endosulfan sulfate	1	NNS	7	Standard based on the EPA ODHA for children.
Bndosulfan-alpha		NNS	Combine α&β to Endosulfan (Total)	The stereoisomers of endosulfan (α and β) will be combined into one standard and reflect the new RfD (0.006) listed on IRIS for Endosulfan (Total).
Endosulfan-beta	4	NNS	Combine &&B to Endosulfan (Total)	The stereoisonners of endosulfan (α and β) will be combined into one standard and reflect the new RfD (0.006) listed on IRIS for Endosulfan (Total).
Endosulfan (Total)	1		840	See rationale for Endosulfan-alpha or -beta.
Budrin Atdehyde	ı	NNS	420	Standard based on the EPA ODHA for children.

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		1	PARTIAL BODY CONTACT	ACT
Parameter	-/+	1992 Standard	Proposed Standard December, 1995	Rationale For Proposed Standard Change
Ethylbenzene	1	64000	14000	Standard based on the BPA ODHA for children.
Fluoride		SNN	8400	RfD (0.06) used to calculate standard.
Heptachlor	+	20	70	RfD (0.0005) used to calculate standard,
Hexachlorobenzene	+	100	280	RfD (0.002) used to calculate standard.
Hexachlorobutadiene	+	280	NNS	No ODHA or RfD available to calculate standard.
Manganese	•	NNS	19600 T	RfD (0.003) used to calculate standard.
Methoxychlor	;	NNS	700	RfD (0.005) used to calculate standard.
Methylene chloride (Dichloromethane)	1	27000	8400	Standard based on the BPA ODHA for children.
Naphthalone .	+	260	NNS	No ODHA or RfD available to calculate standard.
Nitrate	1	NNS	224000	RfD (1.6) used to calculate standard.
Nitrite	ţ	NNS	14000	RfD (0.1) used to calculate standard.
Setenium	+	420	700	RfD (0.005) used to calculate standard.
Styrene	<u>s</u>	NNS	28000	RfD (0.2) used to calculate standard.
1,1,2,2-Tetrachloroethane	+	450	NNS	No ODHA or RfD available to calculate standard.
Tetrachtoroethylene	1	. 4000	1400	Standard based on the BPA ODHA for chikiren.
Thallium .	3	3700	12 T	RfD (0.00008) used to calculate standard.
Toluene	4	42000	28000	Biror in 1992 standard calculation corrected.
Toxaphene	+	1000	NNS	No ODHA or RfD available to calculate standard.
1,2,4-Trichlorobenzene	1	2800	1400	RfD (0.01) used to calculate standard.

		F4	PARTIAL BODY CONTACT	ACT
Parameter	+/-	1992 Standard	Proposed Standard December, 1995	Rationale For Proposed Standard Change
1,1,1.Trichloroethane	1	13000	12600	Standard based on the BPA ODHA for children.
2-(2,4,5-Trichlorophenoxy) proprionic acid	ŧ	NNS	1120	RfD (0.01) used to calculate standard.
Xỳlenes	į	SNN	280000	RfD (2.0) used to calculate standard.
Zinc	+	28000	42000	RfD (0.3) used to calculate standard,

Partial Body Contact standards calculation based on either the BPA one day health advisory (ODHA) for child. If the ODHA is not available, and the RfD is available, then No Numeric Standard (NNS) is used.

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Hardness-dependent metals

The toxicity of certain metals is dependent upon the hardness of the water. The numeric water quality criteria for these metals are expressed as hardness-dependent equations. ADEQ is proposing to revise the footnote to these equations which explains how hardness is determined. The revised footnote clarifies that it is the hardness of the receiving surface water that is used to calculate the numeric water quality criterion for a hardness-dependent metal. If the receiving surface water is an ephemeral water or an effluent-dependent water, then the hardness of the effluent that is discharged is used to calculate the numeric water quality criterion. In the latter case, a hardness cap of 400 mg/L as CaCO₃ is imposed. The hardness cap of 400 mg/L is based upon the range of hardness values used by EPA in developing national criteria guidance recommendations for hardness-dependent metals. 40 CFR 131.36(c)(4) contains the following requirement with regard to the application of hardness-based metals criteria:

For purposes of calculating freshwater aquatic life criteria for metals from the equations in subsection (b)(2) of this Section, the minimum hardness allowed for use in those equations shall not be less than 25 mg/L as calcium carbonate. The maximum hardness value for use in those equations shall not exceed 400 mg/L as calcium carbonate.

The rationale for the proposed 400 mg/L hardness cap is that the data base used for the development of the §304(a) criteria guidance for hardness-dependent metals does not include data which supports extrapolation of the hardness effects of metal toxicity beyond a range of hardness of 25 mg/L to 400 mg/L.

Mercury

In the last triennial review, ADEQ established water quality standards for mercury to protect aquatic life and wildlife using EPA methodologies and national criteria guidance. The methodologies used are fully explained in Appendix B of the Concise Explanatory Statement for the water quality standards rules which was prepared to support the state's adoption of water quality standards in the last triennial review [See Appendix B, "Rationale for the Development of Toxic Pollutant Criteria to Protect Aquatic and Wildlife Designated Uses" (January 10, 1992)].

For the state's aquatic and wildlife [cold water fishery] designated use, ADEQ used the EPA methodology described in the national "Guidelines for Deriving Water Quality Criteria for the Protection of Aquatic Life and Its Uses [Guidelines methodology] to derive water quality criteria for mercury. The Guidelines methodology calls for the calculation of a final residue value if a maximum permissible tissue concentration and at least one acceptable bioconcentration factor determined from an aquatic animal species is available. The Guidelines Methodology specifically states that one of the purposes for deriving a final residue value is to protect wildlife, including predatory birds and fishes, from demonstrated adverse effects [See 45 Fed. Reg. 79346 (November 28, 1980)]. ADEQ calculated a final residue value for mercury using data from EPA's national criteria document, "Ambient Water Quality Criteria for Mercury." The final residue value of 0.012 µg/L became Arizona's currently effective water quality standard to protect cold water and warm water fisheries from chronic toxicity from mercury. ADEQ also used the final residue value procedure to calculate a numeric water quality criterion to protect aquatic life and wildlife in effluent-dependent waters [A&Wedw] from chronic toxicity from mercury. The recalculated numeric water quality criterion for the A&W edw designated use was 0.2 µg/L. In adopting the mercury standard for A&Wedw, ADEQ stated:

The proposed standard was based on toxicity to aquatic life. However, mercury has a propensity to accumulate in tissues of aquatic life to levels that may be harmful to wildlife or human consumers. These routes of exposure should be considered in developing A&W standards. The EPA publication Ambient Water Quality Criteria for Mercury - 1984 [Criteria Document] does not contain information regarding the effects of mercury on wildlife but does contain information on the effects of mercury on humans. Setting a standard based strictly on toxicity to aquatic life may not adequately protect wildlife. ADEQ recalculated the A&Wedw chronic standard for mercury using the more appropriate Final Residue Value procedure.

The use of the final residue value procedure to derive water quality criteria for the aquatic and wildlife designated uses demonstrates that Arizona considered bioaccumulative effects when it adopted the water quality standards for mercury.

On April 29, 1994, EPA disapproved the state-adopted water quality standard for mercury that had been established to protect aquatic life and wildlife. EPA specifically disapproved the state's failure to adopt numeric water quality for mercury to protect wildlife. EPA's disapproval of the water quality standards for mercury was based primarily on a biological opinion from the U.S. Fish & Wildlife Service [USFWS] that the state-adopted water quality standards had been developed without adequate consideration of the bioaccumulative effects of mercury on predatory wildlife. In its disapproval letter, EPA acknowledged that ADEQ had followed EPA national criteria guidance to derive water quality standards for mercury and that the currently available EPA methodology for criteria development may inadequately address food chain effects of mercury for predatory wildlife. EPA requested that ADEQ re-examine the state-adopted numeric water quality criteria for mercury in the next triennial review to determine whether those criteria adequately address bioaccumulation. In making this request, EPA acknowledged that national criteria guidance for the protection of wildlife were not available and that EPA would rely on the participation of the USFWS in the next triennial review to make recommendations for the adoption of numeric criteria that would be adequately protective of wildlife.

In response to this disapproval, ADEQ stated that Arizona would consider revision of its aquatic and wildlife criteria for mercury in the next triennial review if national program guidance becomes available which would support the derivation of scientifically defensible criteria to protect wildlife. Such guidance is currently unavailable. In the absence of national program guidance for developing wildlife criteria, ADEQ intends to retain the currently effective water quality standards.

To address the EPA disapproval and the concerns of the USFWS, ADEQ, in cooperation with the Arizona Game & Fish Department, the USFWS, and EPA, will conduct a tissue monitoring program to evaluate the threat posed by mercury to bald eagles nesting along surface waters in Arizona. The objective of this monitoring program will be to assess the magnitude and extent of

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mercury bioaccumulation in the prey base of the bald eagle and other fish-eating birds. A concurrent monitoring program will be conducted by the International Boundary Water Commission in the lower Colorado River basin to asssess the bioaccumulation of mercury in the prey base of the Brown Pelican, Yuma Clapper Rail, and other fish-eating birds. These tissue-monitoring programs are not designed to develop a mercury standards for the protection of wildlife. The tissue-monitoring program is a problem-identification program. If mercury is found to be bioaccumulating in prey species at levels above 1.0 mg/kg, then it may be necessary to develop a more extensive sampling program to identify the contribution of mercury from different sources and to begin work on developing wildlife criteria for mercury.

Proposed Revisions to Surface Waters and Designated Uses in Appendix B

ADEQ is proposing the repeal of the currently effective Appendix B and its replacement with a more "user-friendly" Appendix B. The proposed Appendix B has been reformatted in tabular form to enhance its readability. Appendix B includes a new location-information column which provides information which will help users locate specific surface waters. The new format makes it easier to find where specific designated uses are applied to surface waters in river basins. The river basin names referenced in Appendix B have been revised to be consistent with the river basins names referenced in the biennial State Water Quality Assessment Report [§305(b) report]. This change will make it easier for ADEQ and the regulated community to link water quality standards with the water quality assessment information contained in the §305(b) report. The number of surface waters that are specifically listed in Appendix B have been updated to reflect new knowledge gained about those surface waters since the last triennial review. Also, Appendix B was revised by deleting all surface waters that are located on tribal lands. The state has no jurisdiction over such surface waters and cannot prescribe water quality standards for them.

The other major revisions to Appendix B are in response to a specific EPA disapproval of the state-adopted water quality standards. On September 9, 1993, EPA disapproved the lack of the fish-consumption designated use for certain surface waters listed in Appendix B. EPA notified the state that, in order to be in compliance with \$101(a)(2) of the Clean Water Act and 40 CFR 131.10(a), the state would have to either: 1) designate the fish-consumption designated use for all surface waters that did not have that designated use in Appendix B; or 2) provide use attainability analyses [UAAs] to justify the omission of the fish-consumption designated use.

In its disapproval letter, EPA indicated that UAAs for categories of surface waters were acceptable as long as the methods used by the state were scientifically and technically supportable. An example of this type of a categorical UAA would be a UAA for ephemeral waters based upon the low flow factor prescribed at 40 CFR 131.10(g)(2) and R18-11-104(H)(1). EPA also indicated that the state could choose to conduct a two-tiered use attainability analysis to justify the omission of the fish-consumption designated use in effluent-dependent waters. The first tier of the UAA analysis would consist of the presentation of evidence presently available to ADEQ that there is no fishing in the effluent-dependent waters. The second tier of the UAA would be triggered by the receipt of an application for reissuance of an NPDES permit for the point source discharge which creates the effluent-dependent water. The second tier would be a more in-depth analysis to confirm that the fish-consumption designated use is not attainable.

ADEQ submitted a categorical UAA for ephemeral waters to justify the omission of both the full-body-contact and fish-consumption designated uses based upon low flow to EPA [dated August 18, 1995]. ADEQ also conducted the Tier 1 analysis referenced above to justify omission of the fish-consumption designated use in effluent-dependent waters [dated July 20, 1995]. Both of these UAAs were approved by EPA on November 20, 1995. Consequently, the proposed Appendix B does not include any new fish-consumption designated uses for ephemeral waters or effluent-dominated waters. ADEQ added the fish-consumption designated use [FC] to any surface water with either the aquatic and wildlife [cold water fishery] or aquatic and wildlife [warm water fishery] designated use.

Repeal of Appendix C: Practical Quantitation Limits

ADEQ proposes to repeal Appendix C to address a specific EPA disapproval. See previous discussion of practical quantitation limits [See previous discussion of practical quantitation limits].

5. A showing of good cause why the rule is necessary to promote a statewide interest if the rule will diminish a previous grant of authority of a political subdivision of this state:

Not applicable

6. The preliminary summary of the economic, small business and consumer impact:

ADEQ is required by A.R.S. § 49-1051(A)(2) to provide a brief summary of the information included in the economic, small business, and consumer impact statement for the proposed water quality standards. In general, ADEQ believes that the proposed water quality standards rules will have minimal economic impact. The majority of the proposed revisions to the rules are either organizational or editorial changes. Substantive revisions to the water quality standards that may have an economic impact include the following:

- 1. The proposed revision of the waste treatment system exclusion language;
- 2. The proposed adoption of the E. coli water quality standards for the full-body-contact designated use;
- The proposed adoption of the net ecological benefit rule;
- 4. The repeal of the turbidity standards for the full-body-contact and partial-body-contact designated uses;
- The proposed adoption of diurnal standards for dissolved oxygen in effluent-dependent waters.
- 6. The proposed unique waters classifications;

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- The proposed adoption of the variance rule;
- The proposed revision to the numeric water quality criteria to protect the domestic water source, fish consumption, full-body-contact and partial-body-contact designated uses;
- The proposed addition of the fish-consumption designated use to surface waters that are cold water or warm water fisheries.

This Section addresses each of the proposed revisions which are thought to have an economic impact. The economic impact of each Section is summarized qualitatively. The preliminary summary describes the persons who will be directly affected by the revision, the probable costs and benefits associated with adoption and implementation of the change, a general description of the probable impact of the revision on private and public employment, and a description of the probable impact of the revisions on small businesses, private persons, and consumers.

None of the proposed revisions to the water quality standards rules will have an effect on state revenues. Also, ADEQ does not believe there are any less costly or less intrusive alternative methods of achieving the purpose of the proposed rulemaking.

Economic Impact of the Revision of the Waste Treatment System Exclusion

The revision of the language of the waste treatment system exclusion will benefit persons who own or operate wastewater treatment plants that create effluent-dependent waters. Counties, municipalities, and sanitary districts which own and operate such plants will be the primary beneficiaries of the proposed revision. The proposed revision also could benefit industrial facilities which utilize lagoons or impoundments for industrial wastewater treatment or utilities which utilize cooling ponds, fly ash ponds, or blowdown ponds.

The proposed revision removes a regulatory barrier to the construction of in-channel waste treatment systems. In particular, the revision provides more flexibility under the water quality standards program for the construction of wetlands to provide "natural" wastewater treatment in dry watercourses. In many cases, constructed wetlands are a cost-effective method of wastewater treatment and disposal. The proposed revision will benefit the owners and operators of wastewater treatment plants by providing an additional treatment and disposal option.

Economic Impact of the Proposed Adoption of the E. coli Water Quality Standards for Surface Waters With the Full-body-contact Designated Use

The proposed adoption of *E. coli* water quality criteria for the full-body-contact [FBC] designated use will affect those point source dischargers who discharge to those surface waters with the FBC designated use. Again, this revision will primarily affect wastewater treatment plants. If the new *E. coli* water quality standards are adopted, the standards will eventually be incorporated as discharge limitations in the NPDES permits for municipal wastewater treatment plants which discharge to surface waters with the FBC designated use. The monitoring costs for those dischargers will increase because they will be required to monitor the discharge of effluent for the presence of *E. coli*. However, the increase in the cost of monitoring should be minimal. For example, the State Laboratory currently charges \$40 for an *E. coli* sample analysis under state contract as compared to \$15 for fecal coliform analysis. Assuming that a wastewater treatment plant was required to conduct monitoring for *E. coli* twice a month, the predicted increase in monitoring costs would be approximately \$1000 a year. It is not known how many point source dischargers would be affected by such an increase in monitoring costs. However, the number is certainly a small one. As of June 30, 1995, there were only 157 NPDES permitted-facilities in Arizona. Of these, 14 are located on Indian lands and could not be affected by the adoption of *E. coli* standards by the state. Not all of the remaining 143 NPDES-permitted facilities discharge to surface waters which do not have the FBC designated use. Approximately 30 wastewater treatment plants discharge to effluent-dependent waters which do not have the FBC designated use. The remaining number of wastewater treatment plants is probably less than 100.

Economic Impact of the Proposed Adoption of the Net Ecological Benefit Rule

The net ecological benefit rule permits a modification of water quality standards for a wastewater treatment plant that supports or creates an effluent-dependent water. The proposed rule provides a benefit to the owners and operators of the source wastewater treatment plants because it provides a mechanism for relief from specific water quality standards. This proposed rule may be used to obtain a modification to a water quality standard and to avoid high costs associated with wastewater treatment plant upgrades. ADEQ cannot predict how many wastewater treatment plants will take advantage of this procedure to modify water quality standards.

Economic Impact of the Proposed Repeal of Turbidity Standards for the Full-body-contact and Partial-body-contact Designated Uses

ADEQ is proposing to repeal the turbidity standards for the full-body-contact and partial-body-contact designated uses. The repeal of these standards will affect ephemeral waters and associated land use activities. The repeal of the turbidity standards for partial-body contact results in the turbidity standards no longer being applied to any ephemeral waters in Arizona. The removal of turbidity standards from ephemeral waters may benefit urbanized counties and municipalities that are regulated under NPDES stormwater permits. The repeal of the turbidity standard removes the possibility that NPDES stormwater permits would include water quality-based discharge limitations for turbidity. The repeal of the turbidity standard also may affect the types of best management practices that are employed by NPDES permittees to control their stormwater discharges.

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Economic Impact of the Proposed Diurnal Standard for Dissolved Oxygen in Effluent-dependent Waters

ADEQ is proposing a more stringent dissolved-oxygen standard for effluent-dependent waters. This proposed standard will affect the 30 wastewater treatment plants which discharge to dry watercourses and create effluent-dependent waters. While the proposed dissolved standard is more stringent, it should have no economic impact. Data collected by ADEQ shows that effluent-dependent waters regularly meet or exceed the proposed minimum standards. The proposed standard will not force any wastewater treatment plant to upgrade treatment.

Economic Impact of Proposed Unique Waters Designations

Three surface waters are proposed for unique waters classification. Two of these are located in federal wilderness areas that will remain undeveloped. The proposed unique waters classifications for Aravaipa Creek and the Cave Creek watershed would have no economic impact. Buehman Canyon Creek is located on public lands managed by U.S. Forest Service and on private lands. If Buehman Canyon Creek is classified as a unique water, land-use activities within the watershed which may degrade water quality in Buehman Canyon Creek would be prohibited. ADEQ is aware that there is interest in developing an open-pit copper mine in Buehman Canyon. Although this mining project is not located on the nominated surface water, the development of the mining project could adversely affect water quality in Buehman Canyon Creek. The adoption of the proposed rule would directly affect the interests of persons interested in the development a mining project in the area. A unique waters classification for Buehman Canyon Creek would result in any mining project being given strict scrutiny under the antidegradation provisions of the water quality standards rules. A unique waters classification may effectively prohibit any mining development.

Economic Impact of the Proposed Variance Provision

The proposed rule provides a mechanism for obtaining a variance from water quality standards. The proposed variance is discharger-specific. Thus, the only persons who are directly affected by the proposed rule are point source dischargers to surface waters. The proposed rule provides a benefit to dischargers because it provides a way for the discharger to obtain short-term relief from compliance with a water quality standard if compliance is not technically or economically feasible.

Economic Impact of Proposed Revisions to Numeric Water Quality Criteria

The proposed revisions to the numeric water quality for the domestic-water-source, fish-consumption, full-body-contact and partial-body-contact designated uses may affect point source dischargers that discharge pollutants to surface waters with those designated uses. For example, revisions to the water quality criteria for the domestic-water-source designated use will only affect point source dischargers that discharge to surface waters with that designated use. In most cases, the point source dischargers who may be affected will be domestic and municipal wastewater treatment plants. A revision to an applicable water quality standard may result in a change in discharge limitation in a NPDES permit for the wastewater treatment plant or a new monitoring requirement.

The majority of the revisions to the numeric water quality criteria result in a less stringent water quality criterion. The proposed adoption of a less stringent water quality criterion will have no economic impact on point source dischargers. However, in some cases, the proposed revision results in a more stringent water quality criterion. In such cases, there is a possibility that a point source discharger may be required to upgrade treatment to ensure compliance with a more stringent standard. A treatment upgrade would only be required if a discharge contains the pollutant in a concentration that would result in a violation of the more stringent water quality standard. It is unlikely that more stringent water quality standards will affect point source dischargers because, in most cases, the more stringent water quality standards are for pollutants that are not typically found in effluents.

For the domestic-water-source designated use, ADEQ proposes to revise the water quality criteria for 8 pollutants to be more stringent. These pollutants are: boron, 1,3-dichloropropene, manganese, mercury, nickel, pentachlorophenol, 1,2,4-trichlorobenzene, and zinc. ADEQ is interested in obtaining information on the potential economic impact of the revisions of these standards for point source dischargers that discharge to surface waters with the domestic-water-source designated use.

For the fish-consumption designated use, ADEQ proposes to revise the water quality criteria for 6 pollutants to be more stringent. These pollutants are: cadmium, 1,3-dichloropropene, pentachlorophenol, thallium, 1,2,4-trichlorobenzene, and zinc. ADEQ is interested in obtaining information on the potential economic impact of the revisions of these standards for point source dischargers that discharge to surface waters with the fish-consumption designated use.

For the full-body-contact designated use, ADEQ proposes to revise the water quality criteria for 25 pollutants to be more stringent. These pollutants are: boron, carbofuran, total residual chlorine, cyanide, 1,2-dibromomethane, 2,4-dichlorophenoxyacetic acid, 1,3-dichloropropene, 2,4-dimethylphenol, dimethyl phthalate, 2-methyl-4,6-dinitrophenol, ethylbenzene, manganese, nitrate, nitrite, pentachlorophenol, styrene, thallium, toluene, 1,2,4-trichlorobenzene, 1,1,1-trichloroethane, 2-(2,4,5-trichlorophenoxy) propionic acid, and xylenes. ADEQ is interested in obtaining information on the potential economic impact of the revisions of these standards for point source dischargers that discharge to surface waters with the full-body-contact designated use. It should be noted that all surface waters in Arizona have multiple designated uses. Where there is more than one designated use and multiple water quality criteria for a surface water, the most stringent water quality criterion applies. In most cases, the water quality criteria for the full-body-contact designated use are less stringent than the water quality criteria that have been established to maintain and protect water quality for other designated uses. Thus, even where the the full-body-contact criterion is revised to be more stringent, it may have no economic impact because other applicable water quality criteria are more stringent.

For the partial-body-contact designated use, ADEQ proposes to revise the water quality criteria for 42 pollutants to be more stringent. These pollutants are indicated by a "-" in the chart on pp. 2544-2547. ADEQ is interested in obtaining information on the potential economic impact of the revisions of these standards for point source dischargers that discharge to surface waters with the partial-body-contact designated use. It should be noted that all surface waters in Arizona have multiple designated uses. Where

Notices of Proposed Rulemaking

there is more than one designated use and multiple water quality criteria for a surface water, the most stringent water quality criterion applies. In general, the water quality criteria for the partial-body-contact designated use are less stringent than the water quality criteria for any other designated use. Thus, ADEQ believes that the revision of partial-body-contact criteria will have no economic impact because other applicable water quality criteria are more stringent.

Economic Impact of Proposed Addition of Fish-consumption Designated Uses

The addition of the fish-consumption designated use to surface waters that are identified as cold water or warm water fisheries may result in new discharge limitations or monitoring requirements for point source dischargers who discharge to surface waters with the added use. It is unclear how many NPDES-permitted facilities may be affected by these revisions. ADEQ is soliciting information from point source dischargers who may be affected in order to assess the economic impact.

7. The name and address of agency personnel with whom persons may communicate regarding the accuracy of the economic, small business, and consumer impact statement:

Name:

Steven Pawlowski

Address:

Department of Environmental Quality

3033 North Central Avenue Phoenix, Arizona 85012

Telephone:

(602) 207-2227

Fax:

(602) 207-2251

8. The time, place and nature of the proceedings for the adoption, amendment or repeal of the rule, or if no proceeding is scheduled, where, when and how persons may request an oral proceeding on the proposed rule:

Oral proceeedings to take public comment on the proposed rules are scheduled as follows:

Date:

February 6, 1996

Time:

7 p.m.

Location:

Coconino County Administration Building Board of Supervisors Meeting Room 219 East Cherry Avenue, First Floor

Flagstaff, Arizona

Date:

February 8, 1996

Time:

7 p.m.

Location:

State Government Complex Building

400 West Congress, North Building

Room 222

Tucson, Arizona 85701

Date:

February 13, 1996

Time:

7 p.m.

Location:

City of Yuma City Hall Council Chambers 180 West First Street Yuma, Arizona 85364

Date:

February 15, 1996

Time:

7 p.m.

Location:

Public Meeting Room

Department of Environmental Quality

3033 North Central Avenue

Phoenix, Arizona

The public comment period for the proposed water quality standards rules closes on Friday, February 23, 1996.

9. Any other matters prescribed by statute that are applicable to the specific agency or to any specific rule or class of rules: Not applicable.

10. Incorporations by reference and their location in the rules:

- a. Endangered and Threatened Wildlife and Plants, 50 CFR 17.11 and 17.12 [revised as of July 12, 1995] in R18-11-112(D)(2)(a).
- b. List of Highly Safeguarded Protected Native Plants in Arizona, 3 A.A.C. 6, Appendix A, Subsection A [December 20, 1994] in R18-11-112(D)(2)(c).
- c. Federally Listed Threatened and Endangered Species of Arizona, U.S. Fish & Wildlife Service [June 6, 1995] in R18-11-112(D)(2)(d).

11. The full text of the rules follows:

TITLE 18. ENVIRONMENTAL QUALITY

CHAPTER 11. DEPARTMENT OF ENVIRONMENTAL QUALITY WATER QUALITY BOUNDARIES AND STANDARDS

ARTICLE 1. WATER QUALITY STANDARDS FOR NAVI-GABLE SURFACE WATERS

	GABLE SURFACE WATERS
Section	
R18-11-101.	Definitions
R18-11-102.	Applicability
R18-11-103.	Exclusions Reserved Repealed
R18-11-104.	Designated Uses
R18-11-105.	Reserved Tributary Rule
R18-11-106.	Reserved Net Ecological Benefit
R18-11-107.	Antidegradation
R18-11-108.	Narrative Water Quality Standards
R18-11-109.	Numeric Water Quality Standards
R18-11-110.	Salinity of the Colorado River
R18-11-111.	Analytical Methods
R18-11-112.	Unique Waters
R18-11-113.	Effluent-dominated dependent Waters
R18-11-114.	Mixing Zones
R18-11-115.	Nutrient Waivers
R18-11-116.	Resource Management Agencies
R18-11-117.	Canals and Municipal Park Lakes
R18-11-118.	Dams and Flood Control Structures
R18-11-119	Natural Background

- R18-11-119. Natural Background
- R18-11-120. Enforcement
- R18-11-121. Schedules of Compliance
- R18-11-122. Variances
- R18-11-123. Prohibition Against Discharge: Sabino Creek
- App. A Numeric Water Quality Criteria
- App. B List of navigable Surface Waters and Designated Uses
- App. C Practical Quantitation Limits

ARTICLE 2. DISCHARGE LIMITATIONS RESERVED REPEALED

- R18-11-201. Reserved
- R18-11-202. Discharge Limitations for Phosphates
- R18-11-203. Prohibitions on Discharge
- R18-11-204. Reserved
- R18-11-205. Discharges to Ephemeral Waters

ARTICLE 3. WATER QUALITY DISCHARGE LIMITATIONS AND SPECIAL CLASSES OF WATER RESERVED REPEALED

ARTICLE 1.

WATER QUALITY STANDARDS FOR NAVIGABLE SURFACE WATERS

R18-11-101. Definitions

In addition to the definitions prescribed in A.R.S. §§ 49 101 and 49 201, the The terms of Article 1 and Article 2 this Article shall have the following meanings:

- "Acute toxicity" means toxicity involving a stimulus severe enough to rapidly induce a response. In aquatic toxicity tests, an effect observed in 96 hours or less is considered acute.
- 2. "AgI" means agricultural irrigation.
- 3. "AgL" means agricultural livestock watering.
- 4. "Agricultural irrigation" means the use of a navigable surface water for the irrigation of crops.
- "Agricultural livestock watering" means the use of a navigable surface water as a supply of water for consumption by livestock.
- 6. "Annual mean" means the arithmetic mean of monthly values determined over a consecutive 12-month period, provided that monthly values are determined for at least 3 months. The monthly value shall be the arithmetic mean of all values determined in a calendar month.
- "Aquatic and wildlife (cold water fishery)" means the use
 of a navigable surface water by animals, plants, or other
 organisms, including salmonids, for habitation, growth,
 or propagation.
- "Aquatic and wildlife (effluent- dominated dependent water)" means the use of an effluent- dominated dependent water by animals, plants, or other organisms for habitation, growth or propagation.
- "Aquatic and wildlife (ephemeral)" means the use of an ephemeral water by animals, plants, or other organisms, excluding fish, for habitation, growth, or propagation.
- "Aquatic and wildlife (warm water fishery)" means the use of a navigable surface water by animals, plants, or other organisms, excluding salmonids, for habitation, growth, or propagation.
- 11. "A&Wc" means aquatic and wildlife (cold water fishery).
- 12. "A&We" means aquatic and wildlife (ephemeral).
- "A&Wedw" means aquatic and wildlife (effluent- dominated dependent water).
- "A&Ww" means aquatic and wildlife (warm water fishery).
- 15. "Clean Water Act" means the Federal Water Pollution Control Act, as amended by the Water Quality Act of 1987 (and no future amendments), which is incorporated by reference and on file with the Office of the Secretary of State and the Department.
- 16. "Criteria" means elements of water quality standards that are expressed as pollutant concentrations, levels or narrative statements representing a water quality that supports a designated use.
- 17. "Designated use" means a use specified in Appendix B of this Article for a navigable surface water.

- 18. "Domestic water source" means the use of a navigable surface water as a potable water supply. Coagulation, sedimentation, filtration, disinfection, or other treatments may be necessary to yield a finished water suitable for human consumption.
- 19. "DWS" means domestic water source.
- 20. "EDW" means effluent dominated dependent water.
- "Effluent- dominated dependent water" means a navigable surface water that consists primarily of discharges of treated wastewater and that has been classified as an effluent- dominated dependent water by the Director pursuant to R18-11-113.
- 22. "Ephemeral water" means a navigable surface water that has a channel that is at all times above the water table, that flows only in direct response to precipitation, and that does not support a self-sustaining fish population.
- 23. "Existing use" means a use that is actually attained in a navigable surface water on or after November 28, 1975, or a use that the existing water quality of a navigable surface water will allow.
- 24. "Fast land" means land that was once a surface water but no longer remains a surface water because it has been and remains legally converted to land by the discharge of dredged or fill material that:
 - a. Was authorized by a § 404 permit,
 - b. Exempt from § 404 permit requirements, or
 - Occurred before there was a § 404 permit requirement for the discharge of the dredged or fill material.
- 24.25"FBC" means full-body contact.
- 25.26"FC" means fish consumption.
- 26.27"Fish consumption" means the use of a navigable surface water by humans for harvesting aquatic organisms for consumption. Harvestable aquatic organisms include, but are not limited to, fish, clams, turtles, crayfish, and frogs.
- 27.28"Full-body contact" means the use of a navigable surface water which causes the human body to come into direct contact with the water to the point of complete submergence. The use is such that ingestion of the water is likely to occur and certain sensitive body organs, such as the eyes, ears, or nose, may be exposed to direct contact with the water.
- 28.29"Geometric mean" means the nth root of the product of n items or values. The geometric mean is calculated using the following formula:

$G.M._y = \binom{n}{(Y_1)(Y_2)(Y_3)} ... (Y_n)$

- 29.30"Hardness" means the sum of the calcium and magnesium concentrations, expressed as calcium carbonate (CaCO₃), in milligrams per liter.
- 30.31 "Mixing zone" means a prescribed area or volume of a navigable surface water that is contiguous to a point source discharge where initial dilution of a the discharge takes place.
- 31.32"National Pollutant Discharge Elimination System" means the point source discharge permit program established by § 402 of the Clean Water Act.
- "Navigable waters" means the waters of the United States.
- 33. "Ninetieth percentile" means the value which may not be exceeded by more than 10% of the observations in a consecutive 12-month period. A minimum of 10 samples, each taken at least 10 days apart, are required to determine a 90th percentile.
- 34. "NNS" means no numeric standard.

- 34.35"Oil" means petroleum in any form, including but not limited to crude oil, gasoline, fuel oil, diesel oil, lubricating oil, or sludge.
- 35.36"Partial-body contact" means the use of a navigable surface water which may cause the human body to come into direct contact with the water, but normally not to the point of complete submergence. The use is such that ingestion of the water is not likely to occur, nor will sensitive body organs such as the eyes, ears, or nose normally be exposed to direct contact with the water.
- 36.37"PBC" means partial-body contact.
- 37.38"Practical quantitation limit" means the lowest level of quantitative measurement that can be reliably achieved during routine laboratory operations.
- 38.39"Recreational uses" means the full-body-contact and partial-body-contact designated uses.
- 39.40"Regional Administrator" means the regional Administrator of Region 9 of the Environmental Protection Agency.
- 41. Surface water" means a water of the United States and includes the following:
 - All waters which are currently used, were used in the past, or may be susceptible to use in interstate or foreign commerce;
 - b. All interstate waters, including interstate wetlands;
 - c. All other waters such as intrastate lakes, reservoirs, ponds, rivers, streams (including intermittent and ephemeral streams), creeks, washes, draws, mudflats, sandflats, wetlands, sloughs, backwaters, prairie potholes, wet meadows, or playa lakes, the use, degradation, or destruction of which would affect or could affect interstate or foreign commerce, including any such waters:
 - Which are or could be used by interstate or foreign travelers for recreational or other purnoses.
 - From which fish or shellfish are or could be taken and sold in interstate or foreign commerce, or
 - iii. Which are used or could be used for industrial purposes by industries in interstate or foreign commerce:
 - d. All impoundments of surface waters:
 - e. Tributaries of surface waters; and
 - f. Wetlands.
- 40.42"Total nitrogen" means the sum of the concentrations of ammonia (NH₃), ammonium ion (NH₄⁺), nitrite (NO₂⁻), nitrate (NO₃⁻) and dissolved and particulate organic nitrogen expressed as elemental nitrogen.
- 41.43"Total phosphorus" means all the phosphorus present in the sample, regardless of form, as measured by a persulfate digestion procedure.
- 42.44"Toxic" means those pollutants, or combination of pollutants, which, after discharge and upon exposure, ingestion, inhalation, or assimilation into any organism, either directly from the environment or indirectly by ingestion through food chains, may cause death, disease, behavioral abnormalities, cancer, genetic mutations, physiological malfunctions (including malfunctions in reproduction), or physical deformations, in such organisms or their offspring.
- 43.45"Unique water" means a navigable surface water which has been classified as an outstanding state resource water by the Director pursuant to R18-11-112.

- 44.46"Use attainability analysis" means a structured scientific assessment of the factors affecting the attainment of a designated use which may include physical, chemical, biological, and economic factors.
- 45. "Waters of the United States" means:
 - All waters which are currently used, were used in the past, or may be susceptible to use in interstate or foreign commerce, including all waters which are subject to the ebb and flow of the tide;
 - b. All interstate waters, including interstate wetlands;
 - c. All other waters such as intrastate lakes, rivers, streams (including intermittent and ephomeral streams), creeks, washes, draws, mudflats, sandflats, wetlands, sloughs, backwaters, prairie potholes, wet meadows, playa lakes, reservoirs, or natural ponds, the use degradation or destruction of which would affect or could affect interstate or foreign commerce including any such waters:
 - Which are or could be used by interstate or foreign travelers for recreational or other purposes;
 - ii. From which fish or shellfish are or could be taken and sold in interstate or foreign com-
 - iii. Which are used or could be used for industrial purposes by industries in interstate or foreign commerce:
 - d. All impoundments of waters otherwise defined as waters of the United States under this definition;
 - e. Tributaries of waters otherwise defined as waters of the United States under this definition; and
 - f. Wetlands adjacent to waters (other than waters that are themselves wetlands) otherwise defined as waters of the United States under this definition.
- 46.47"Wetlands" means those areas that are inundated or saturated by surface or groundwater at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions. Wetlands include swamps, marshes, bogs, cienegas, tinajas, and similar areas.
- 47.48"Zone of passage" means a continuous water route of volume, cross-sectional area, and quality necessary to allow passage of free-swimming or drifting organisms with no toxic effect produced on the organisms.

R18-11-102. Applicability

- A. The water quality standards prescribed in this Article apply to all navigable surface waters.
- B. The water quality standards prescribed in this Article do not apply to the following:
 - Waste treatment systems, including impoundments, ponds, lagoons, and constructed wetlands that are a part of such waste treatment systems.
 - 2. Man-made surface impoundments and associated ditches and conveyances used in the extraction, beneficiation, and processing of metallic ores, including pits, pregnant leach solution ponds, raffinate ponds, tailing impoundments, decant ponds, concentrate or tailing thickeners, blowdown water ponds, ponds and sumps in mine pits associated with dewatering activity, ponds holding water that has come in contact with process or product and that is being held for recycling, spill or upset catchment ponds, or ponds used for on-site remediation that are located either on lands that were not and are not surface waters or that are located on fast lands.

R18-11-103. Exclusions Repealed

The water quality standards prescribed in this Article do not apply to:

- Waste treatment systems, including ponds, lagoons and constructed wetlands that are a part of such waste treatment systems. This exclusion applies only to manmade bodies of water which neither are originally created in a navigable water nor result from the impoundment of a navigable water.
- 2. Man made surface impoundments and associated ditches and conveyances used in the extraction, beneficiation and processing of metallic ores, including pregnant leach solution ponds, raffinate ponds, tailing impoundments, decant ponds, concentrate or tailing thickeners, blowdown water ponds, ponds and sumps in mine pits associated with dewatering activity, ponds holding water that has come in contact with process or product and that is being held for recycling, spill or upset catchment ponds or ponds used for on site remediation provided that any discharge from any such surface impoundment to a navigable water is permitted under the National Pollutant Discharge Elimination System program.

R18-11-104. Designated Uses

- A. The Director shall adopt or remove designated uses and subcategories of designated uses by rule.
- B. Designated uses of navigable waters a surface water may include full-body contact, partial-body contact, domestic water source, fish consumption, aquatic and wildlife (cold water fishery), aquatic and wildlife (warm water fishery), aquatic and wildlife (ephemeral), aquatic and wildlife (effluent-dominated dependent water), agricultural irrigation and agricultural livestock watering. Designated The designated uses for specific navigable surface waters are listed in Appendix B of this Article.
- C. Numeric water quality criteria to protect the designated uses are prescribed in Appendix A, R18-11-109, R18-11-110, and R18-11-112. Narrative standards to protect all navigable surface waters are prescribed in R18-11-108.
- D. A navigable water that is not listed in Appendix B but that is tributary to a listed navigable water shall be protected by the water quality standards that have been established for the nearest downstream navigable water listed in Appendix B that is not an effluent dominated water. Where the nearest downstream listed water is an ephemeral water, the A&We and PBC standards shall apply only to that portion of the tributary that is an ephemeral water. The A&Ww and FBC standards shall apply to that portion of the tributary that is not an ephemeral water.
- E.D. If a navigable surface water has more than 1 designated use listed in Appendix B, the applicable water quality criterion for a pollutant is the most stringent of those prescribed to protect the designated uses of the navigable water then the most stringent water quality criterion applies.
- **F.E.** The Director shall revise the designated uses of a navigable surface water if water quality improvements result in a level of water quality which permits a use that is not currently listed as a designated use in Appendix B.
- **G.F.** In designating uses of a navigable surface water and in establishing water quality criteria to protect those designated uses, the Director shall take into consideration the applicable water quality standards for downstream navigable surface waters and shall ensure that the water quality standards that are established for an upstream surface water also provide for the attainment and maintenance of the water quality standards of downstream navigable surface waters.

- **H.G.** A use attainability analysis shall be conducted prior to removal of a designated use or adoption of a subcategory of a designated use that requires less stringent water quality criteria.
- **I.H.** The Director may remove a designated use or adopt a subcategory of a designated use that requires less stringent water quality criteria provided the designated use is not an existing use and it is demonstrated through a use attainability analysis that attaining the designated use is not feasible for any of the following reasons:
 - Naturally occurring pollutant concentrations prevent the attainment of the use;
 - Natural, ephemeral, intermittent, or low flow conditions or water levels prevent the attainment of the use; unless these conditions may be compensated for by the discharge of a sufficient volume of treated wastewater without violating water conservation or other applicable requirements. Nothing herein shall be construed to require releases of treated wastewater;
 - Human-caused conditions or sources of pollution prevent the attainment of the use and cannot be remedied or would cause more environmental damage to correct than to leave in place;
 - 4. Dams, diversions, or other types of hydrologic modifications preclude the attainment of the use, and it is not feasible to restore the navigable surface water to its original condition or to operate such modification in a way that would result in attainment of the use; Nothing herein shall be construed to require the releases of water from dams;
 - Physical conditions related to the natural features of the navigable <u>surface</u> water, such as the lack of a proper substrate, cover, flow, depth, pools, riffles, and the like, unrelated to water quality, preclude attainment of aquatic life designated uses; or
 - Controls more stringent than those required by §§ 301(b) and 306 of the Clean Water Act are necessary to attain the use and implementation of such controls would result in substantial and widespread economic and social impact.

R18-11-105. Reserved-Tributary Rule

The following water quality standards apply to a surface water that is not listed in Appendix B but that is tributary to a listed surface water:

- For an unlisted tributary that is an ephemeral water, the aquatic and wildlife [ephemeral] and partial-body-contact standards shall apply.
- For an unlisted tributary that is an effluent-dependent water, the aquatic and wildlife [effluent-dependent water] standards and partial-body-contact standards shall apply.
- 3. For an unlisted tributary that is not an ephemeral water or an effluent-dependent water and which has salmonids present, the aquatic and wildlife [cold water fishery] and fish-consumption standards shall apply as well as the water quality standards that have been established for the nearest downstream surface water that is not an ephemeral water or an effluent-dependent water.
- 4. For an unlisted tributary that is not an ephemeral water or an effluent-dependent water and which does not have salmonids present, the aquatic and wildlife [warm water fishery] and fish-consumption standards shall apply as well as the water quality standards which have been established for the nearest downstream surface water that is not an ephemeral water or effluent-dependent water.

R18-11-106. Reserved Net Ecological Benefit

A. The Director may modify a water quality standard on the grounds that there is a net ecological benefit associated with the

- discharge of effluent to support or create a riparian and aquatic habitat in an area where such water resources are limited. The Director may modify a water quality criterion for a pollutant if it is demonstrated that:
- The discharge of effluent creates or supports an ecologically valuable aquatic, wetland, or riparian ecosystem in an area where such resources are limited;
- The ecological benefits associated with the discharge of effluent under a modified water quality standard exceeds the environmental costs associated with the elimination of the discharge of effluent;
- 3. The cost of treatment to achieve compliance with a water quality standard is so high that it is more cost effective to eliminate the discharge of effluent to the surface water. The discharger shall demonstrate that it is feasible to eliminate completely the discharge of effluent which creates or supports the ecologically valuable aquatic, wetland, or riparian ecosystem;
- 4. The discharge of effluent to the surface water will not cause or contribute to a violation of a water quality standard that has been established for a downstream surface water;
- All practicable point source discharge control programs, including local pretreatment, waste minimization, and source reduction programs, are implemented; and
- 6. The discharge of effluent does not produce or contribute to the concentration of a pollutant in the tissues of aquatic organisms or wildlife that is likely to be harmful to humans or wildlife through food chain concentration.
- B. The Director shall not modify a water quality criterion for a pollutant to be less stringent than a technology-based effluent limitation which applies to the discharge of that effluent. The discharge of effluent which creates or supports an ecologically valuable aquatic, riparian, or wetland ecosystem shall, at a minimum, comply with applicable technology-based effluent limitations.

R18-11-107. Antidegradation

- A. The determination of whether there is any degradation of water quality in a navigable water shall be on a pollutant basis.
- **B.A.** Tier 1: The level of water quality necessary to protect existing uses shall be maintained and protected. No degradation of existing water quality is permitted in a navigable surface water where the existing water quality does not meet applicable water quality standards.
- G. B.Tier 2: Where existing water quality in a navigable surface water is better than applicable water quality standards, the existing water quality shall be maintained and protected. The Director may allow limited degradation of existing water quality in such navigable waters, except unique waters, a Tier 2 surface water, provided that the Department has held a public hearing on whether degradation should be allowed pursuant to the general public hearing procedures prescribed at R18-1-401 and R18-1-402 and the Director makes all of the following findings:
 - The level of water quality necessary to protect existing uses is fully protected.
 - The highest statutory and regulatory requirements for all new and existing point sources as set forth in the Clean Water Act are achieved.
 - All cost-effective and reasonable best management practices for nonpoint source control are implemented.
 - Allowing lower water quality is necessary to accommodate important economic or social development in the area in which the navigable surface water is located.
- D.C. Tier 3: Existing water quality shall be maintained and protected in a navigable <u>surface</u> water that is classified as a unique water

- or that the Director has proposed for classification as a unique water pursuant to R18-11-112. The Director shall not allow limited degradation of a unique water pursuant to subsection \subseteq B of this Section.
- E-D.Nothing in this Section or in the implementation of this Section shall be inconsistent with §316 of the Clean Water Act where a potential water quality impairment associated with a thermal discharge is involved.

R18-11-108. Narrative Water Quality Standards

- A. Navigable waters A surface water shall be free from pollutants in amounts or combinations that:
 - Settle to form bottom deposits that inhibit or prohibit the habitation, growth, or propagation of aquatic life or that impair recreational uses;
 - Cause objectionable odor in the area in which the navigable surface water is located;
 - 3. Cause off-taste or odor in drinking water;
 - 4. Cause off-flavor in aquatic organisms or waterfowl;
 - 5. Are toxic to humans, animals, plants, or other organisms;
 - Cause the growth of algae or aquatic plants that inhibit or prohibit the habitation, growth, or propagation of other aquatic life or that impair recreational uses;
 - Cause or contribute to a violation of an aquifer waterquality standard prescribed in R18-11-405 or R18-11-406; or
 - Change the color of the navigable surface water from natural background levels of color.
- B. Navigable waters- A surface water shall be free from oil, grease, and other pollutants that float as debris, foam, or scum; or that cause a film or iridescent appearance on the surface of the water; or that cause a deposit on a shoreline, bank, or aquatic vegetation. The discharge of lubricating oil or gasoline associated with the normal operation of a recreational watercraft shall not be considered a violation of this narrative standard.

R18-11-109. Numeric Water Quality Standards

- A. The water quality standards prescribed in this Section and in Appendix A apply to navigable surface waters listed in Appendix B and their tributaries. Additional numeric water quality standards for unique waters are prescribed in R18-11-112.
- B. The following water quality standards for fecal coliform, expressed in colony forming units per 100 milliliters of water (cfu/100 ml), shall not be exceeded:

1.	Fecal Coliform FBC	DWS.PBC.A&W ¹ .AgI.AgI
	30-day geometric	
	mean (5 sample	
	minimum) 200	1000
	10% of samples	
	for a 30-day period 4 00	2000
	Single sample	
	maximum 800	4000
2.	Fecal coliform in	
	effluent- dominated	
	dependent waters	All designated uses
	30-day geometric mean	
	(5 sample minimum)	200
	10% of samples for a	
	30-day period	400
	Single sample maximum	800

C. The following water quality standards for Escherichia coli [E. coli], expressed in colony-forming units per 100 milliliters of water (cfu/100 ml), shall not be exceeded:

•
FBC
ım)130
240
580

€ <u>D</u>. The following water quality standards for pH, expressed in standard units, shall not be violated:

pH Maximum	<u>DWS</u> 9.0	FBC.PBC.A&W ² 9.0	AgI 9.0	AgL 9.0
Minimum Maximum	5.0	6.5	4.5	6.5
change due to discharge	NNS	0.5	NNS	NNS

D.E. The following maximum allowable increase in ambient water temperature, expressed in degrees Celsius, shall not be exceeded:

Temperature ²	<u>A&Ww.A&Wedw</u>	<u>A&Wc</u>
Maximum increase		
due to a discharge ^{4,5}	3.0	1.0

E. F. The following water quality standards for turbidity, expressed as a maximum concentration in nephelometric turbidity units (NTU), shall not be exceeded:

Turbidity Rivers, streams,	FBC.PBC.A&Ww.A&Wedw	A&W
and other flowing waters	50	10
Lakes, reservoirs,	25	10

F.G. The following are the water quality standards for dissolved oxygen, expressed in milligrams per liter (mg/L). The dissolved-oxygen concentration in a navigable surface water shall not fall below the following minimum concentrations:

<u>j.</u>	Dissolved oxygen*	Accent	A&WC	Acweow
	Single sample minimum ^{7,8}	6.0	7.0	1.0
2.	Dissolved oxygen in			
	effluent-dependent waters			

 Isingle sample minimuml:
 3.0

 3 hours after sunrise to sunset
 3.0

 Sunset to 3 hours after sunrise
 1.0

6

3. If the dissolved oxygen (mg/L) of a surface water is less than the water quality standard, but the percent saturation of oxygen is equal to or greater than 90%, then the surface water shall be deemed to be in compliance with the dissolved-oxygen water quality standard.

G. H.The following water quality standards for total phosphorus and total nitrogen, expressed in milligrams per liter (mg/L), shall not be exceeded:

		Annual mean	90th percentile	Single Sample
1	Verde River and	ita tuibuta.	iaa fuama baadu	Maximum
Å.	tlett Lake	its iributai	ies moin neady	vaters to Dar-
	Total phosphorus	0.10	0.30	1.00
	Total nitrogen	1.00	1.50	3.00
2.	White River, Blace	k River,	Fonto Creek, ai	nd their tribu-
	taries that are not	located on	tribal lands:	
	Total phosphorus	0.10	0.20	0.80
	Total nitrogen	0.50	1.00	2.00
<u>3.</u>	Salt River and its	tributaries,	except Pinal C	reek, from the
	confluence of the	White and	Black Rivers	to above The-
	odore Roosevelt L			
	Total phosphorus	0.12	0.30	1.00
	Total nitrogen	0.60	1.20	2.00
4.	Theodore Roose	velt, Apac	che, Canyon,	and Saguaro
	Lakes	- ^		

Lakes
Total phosphorus 0.03^a NNS 0.60^b
Total nitrogen 0.30^a NNS 1.00^b
Salt River below Stewart Mountain Dam to confluence

with the Verde River
Total phosphorus 0.05 NNS 0.20
Total nitrogen 0.60 NNS 3.00

- Little Colorado River and its tributaries above River Reservoir in Greer; South Fork of Little Colorado River above South Fork Campground; Water Canyon Creek above Apache-Sitgreaves National Forest boundary Total phosphorus 0.08 0.10 0.75 Total nitrogen 0.60 0.75 1.10
- Little Colorado River at crossing of Apache County Road No. 124
 Total phosphorus NNS NNS 0.75
 Total nitrogen NNS NNS 1.80
- Little Colorado River above Lyman Lake to above Amity Ditch diversion near crossing of Arizona Highway 273: (applies only when in-stream turbidity is less than 50 NTU)

 Total phosphorus
 0.20
 0.30
 0.75

 Total nitrogen
 0.70
 1.20
 1.50

- Colorado River, at Northern International Boundary near Morelos Dam
 Total phosphorus NNS 0.33 NNS Total nitrogen NNS 2.50 NNS
- 10. San Pedro River, from Curtiss to Benson:
 Total phosphorus NNS NNS NNS
 Total nitrate as N NNS NNS 10.00
- The discharge of wastewater to Show Low Creek and tributaries upstream of and including Fools Hollow Lake shall not exceed 0.16 mg/l total phosphates as P.
- 12. The discharge of wastewater to the San Francisco River and tributaries upstream of Luna Lake Dam shall not exceed 1.0 mg/l total phosphates as P.
- H. I. The following water quality standards for radiochemicals shall not be exceeded:
 - In all navigable surface waters, the concentration of radiochemicals shall not exceed the limits established by the Arizona Radiation Regulatory Agency in 12 A.A.C. 1, Article 4, Appendix A, Table II, Column 2, (effective June 30, 1977, and no future amendments), which is incorporated by reference and on file with the Office of the Secretary of State and with the Department.
 - In navigable surface waters that are designated as domestic water sources, the following water quality standards for radiochemicals shall not be exceeded:
 - a. The concentration of gross alpha particle activity, including radium-226 but excluding radon and uranium, shall not exceed 15 picocuries per liter of water.
 - The concentration of combined radium-226 and radium-228 shall not exceed 5 picocuries per liter of water.
 - The concentration of strontium-90 shall not exceed 8 picocuries per liter of water.
 - The concentration of tritium shall not exceed 20,000 picocuries per liter of water.
 - e. The average annual concentration of beta particle activity and photon emitters from man-made radionuclides shall not produce an annual dose equivalent to the total body or any internal organ greater than 4 millirems per year.

Footnotes:

- Includes A&Wc, A&Ww, and A&We.
- Includes A&Wc, A&Ww, A&Wedw, and A&We.
- There is no water quality standard for temperature for the A&We designated use.
- Does not apply to Cholla Lake.
- Does not apply to a wastewater treatment plant discharge to a dry watercourse that creates an effluent-dominated dependent water.

- There is no dissolved-oxygen standard for the A&We designated use.
- Or 90% saturation, whichever is less. If the dissolved oxygen (mg/L) of the waterbody is less than the the water quality standard, but the percent saturation of oxygen is equal to or greater than 90%, then the waterbody is in compliance with the dissolved oxygen water quality standard
- The dissolved-oxygen water quality standard for a lake shall apply below the surface but not at a depth greater than 1 meter.
- means annual mean of representative composite samples taken from the surface and at 2- and 5-meter depths.
- b means maximum for any set of representative composite samples taken from the surface and at 2- and 5-meter depths.
 - "NNS" means no numeric standard.

R18-11-111. Analytical Methods

- A. Analysis of a sample taken to determine compliance with a water quality standard shall be in accordance with an approved analytical method prescribed in 9 A.A.C. 14, Article 6 or an alternative analytical method that is approved by the Director of the Department of Health Services pursuant to A.A.C. R9-14-607.B. R9-14-607(B).
- B. A test result from a sample taken to determine compliance with a water quality standard shall be valid only if the sample has been analyzed by a laboratory that is licensed by the Arizona Department of Health Services for the analysis performed.

R18-11-112. Unique Waters

- A. The classification of a navigable surface water as a unique water shall be by rule.
- B. The Director may adopt, by rule, site-specific water quality standards to maintain and protect existing water quality in a unique water.
- C. Any person may nominate a navigable surface water for classification as a unique water by filing a petition for rule adoption with the Department. A petition for rule adoption to classify a navigable surface water as a unique water shall include:
 - A map and a description of the navigable surface water;
 - A written statement in support of the nomination, including specific reference to the applicable criteria for unique waters classification as prescribed in subsection (D) of this Section;
 - Supporting evidence demonstrating that 1 or more of the applicable unique waters criteria prescribed in subsection (D) of this Section has been met; and
 - Relevant water quality data. Available water quality data relevant to establishing baseline water quality of the proposed unique water.
- D. A navigable <u>surface</u> water may be classified as a unique water by the Director upon a finding that the navigable <u>surface</u> water is an outstanding state resource water based upon 1 of the following criteria:
 - The navigable <u>surface</u> water is of exceptional recreational or ecological significance because of its unique attributes, including, but not limited to, attributes related to the geology, flora, fauna, water quality, aesthetic values, or the wilderness characteristics of the <u>navigable surface</u> water.
 - Threatened or endangered species are known to be associated with the navigable surface water and the existing water quality is essential to the maintenance and propagation of a threatened or endangered species or the navigable surface water provides critical habitat for a threatened

or endangered species. Endangered or threatened species are identified on the following lists which are incorporated by reference and on file with the Office of the Secretary of State and with the Department:

Endangered and Threatened Wildlife and Plants, 50 CFR, 17.11 and 17.12 (revised as of July 12, 1995);

"Threatened Native Wildlife of Arizona," Arizona Game and Fish Department (July 21, 1988);

- List of protected groups of plants prescribed in A.A.C. R3 1 615 and A.A.C. R3 1 616 (January 17, 1989) List of highly safeguarded protected native plants in 3 A.A.C 6. Appendix A(A) [December 20, 1994];
- List of Migratory Birds, 50 CFR §10.13 (April 5, 1985):
- ed. "Endangered and Threatened Federally Listed Threatened and Endangered Species of Arizona, U.S. Fish & Wildlife Service (Summer 1991 June 6, <u> 1995)</u>
- E. The following navigable surface waters are classified as unique waters:
 - The West Fork of the Little Colorado River, above Gov-1. ernment Springs;
 - Oak Creek, including the West Fork of Oak Creek; 2.
 - People's Peoples Canyon Creek, tributary to Santa Maria
 - Burro Creek, above its confluence with Boulder Creek;
 - Francis Creek, Mohave and Yavapai counties;
 - Bonita Creek, tributary to the upper Gila River;
 - Cienega Creek, from I-10 bridge to Del Lago Dam, Pima
 - Aravaipa Creek, from confluence of Stowe Gulch to the downstream boundary of the Aravaipa Canyon Wilderness Area;
 - Cave Creek and South Fork of Cave Creek [Chiricahua Mountains], from headwaters to the Coronado National Forest boundary; and
 - Buehman Canyon Creek. from headwaters [Lat. 32°24'55.5", Long. 110°39'43.5"] to approximately 9.8 miles downstream [Lat 32°24'31.5", Longitude
- The following water quality standards apply to the listed are established to maintain and protect existing water quality in the listed unique waters. Water quality standards prescribed in this subsection supplement or supersede the water quality standards prescribed pursuant to R18-11-109.

The West Fork of the Little Colorado River, above Government Springs:

Standard **Parameter** Fecal Coliform^a 200 cfu/ 100 ml

(single sample maximum)

pH (standard units)^D no change due to discharge Temperature^b no increase due to discharge Dissolved oxygen b no decrease due to discharge Total dissolved solids b no increase due to discharge

Chromium (as Cr)(D) a 10 μg/L

110-ttg/L Zinc (D)^a

2.Oak Creek, including the West Fork of Oak Creek:

Standard Parameter Fecal coliforma 150 cfu/100 ml*

pH (standard units) b no change due to discharge Nitrogen (T) a 1.00 mg/L (annual mean)

1.50 mg/L (90th percentile)

2.50 mg/L (single sample

max.)

Phosphorus (T) a 0.10 mg/L (annual mean)

0.25 mg/L (90th percentile) 0.30 mg/L (single sample

max.)

Chromium (as Cr)(D) a 5 µg/L Zinc (D) a 50 µg/L

Turbidity change due to

discharge b 3 NTU

* Geometric mean of a random set of a minimum of ten samples in any calendar month.

3. People's Peoples Canyon Creek, tributary to Santa Maria

River:

Standard <u>Parameter</u>

Temperature b no increase due to discharge Dissolved oxygen b no decrease due to discharge

Turbidity change due

to discharge b 5 NTU Arsenic (T)b 20 ttg/L Manganese (T) a 500 μg/L

Burro Creek, above its confluence with Boulder Creek:

Standard Parameter Fecal coliform^a 500 cfu/100 ml

(single sample maximum)

Manganese (T) a 500 μg/L

Francis Creek, Mohave and Yavapai Counties:

Parameter Standard Fecal coliform^a 500 cfu/ 100 ml

(single-sample-maximum)

Manganese (T) a 500 µg/L

Cienega Creek, from I-10 bridge to Del Lago Dam. Pima

County:

<u>Parameter</u> Standard 5 4 1

No change due to discharge Hq No increase due to discharge <u>Temperature</u> No decrease due to discharge Dissolved oxygen Total dissolved solids No increase due to discharge

Turbidity 10 NTU

Bonita Creek, tributary to the Upper Gila River:

Standard Parameter

No change due to discharge pН <u>Temperature</u> No increase due to discharge Dissolved oxygen No decrease due to discharge-No increase due to discharge Total dissolved solids 15 NTU

Turbidity

Abbreviations:

(D) means dissolved fraction

(T) means total recoverable

NTU means nephelometric turbidity unit mg/L means milligrams per liter μg/L means micrograms per liter

cfu/ml means colony forming units per milliliter

a means that the numeric water quality standard supersedes a water quality standard prescribed in R18-11-109 or Appendix

b means that the numeric water quality standard supplements the water quality standards prescribed in R18-11-109 and Appendix A.

R18-11-113. Effluent- dominated dependent Waters

A. The classification of a navigable surface water as an effluentdominated dependent water shall be by rule.

- **B.** The Director may adopt, by rule, site-specific water quality standards for an effluent-dominated dependent water.
- C. Any person may submit a petition for rule adoption requesting that the Director classify a <u>navigable surface</u> water as an effluent-dominated <u>dependent</u> water. The petition for rule adoption shall include:
 - 1. A map and a description of the navigable surface water,
 - Information that demonstrates that the navigable surface water consists primarily of discharges of treated wastewater
- D. The following navigable surface waters are classified as effluent dominated dependent waters:
 - 1. In the Colorado River Main Stem Basin:
 - Bright Angel Wash from <u>South Rim</u> Grand Canyon wastewater treatment plant (WWTP) WWTP outfall to confluence with <u>Cataract Creek Coconino Wash</u>.
 - Cataract Creek from Williams WWTP outfall to 3 kilometers 1 kilometer downstream from the outfall.
 - Holy Moses Wash from Kingman WWTP outfall to \$ 2 kilometers downstream from the outfall.
 - d. Unnamed wash, tributary to Bright Angel Creek, from Grand Canyon North Rim WWTP Transept Canyon from North Rim Grand Canyon WWTP outfall to 1 kilometer downstream from the outfall.
 - 2. In the Little Colorado River Basin:
 - a. Black Creek from Ft. Defiance WWTP outfall to the confluence with Rio Puerce River.
 - b.a. Dry Lake.
 - e.b. Lake Humphreys.
 - d.c. Lower Walnut Canyon Lake.
 - e.d. Ned Lake.
 - f.e. Pintail Lake.
 - f. Telephone Lake
 - g. Rio de Flag from City of Flagstaff WWTP outfall to confluence with <u>Little Colorade River San Francisco</u> <u>Wash</u>.
 - h. Telephone Lake. Whale Lake
 - 3. In the Middle Gila River Basin:
 - a. Agua Fria River from Surprise WWTP outfall to 5 kilometers downstream from the outfall.
 - a. Unnamed wash from the Town of Prescott Valley WWTP outfall to the confluence with the Agua Fria River, and the Agua Fria River below the confluence with the unnamed wash receiving treated wastewater from the Prescott Valley WWTP to State Route 169.
 - Agua Fria River from El Mirage WWTP outfall to \$ 2 kilometers downstream from the outfall.
 - Agua Fria River from Avondale WWTP outfall to confluence with the Gila River.
 - d c. Gila River from Florence WWTP outfall to 5 kilometers downstream from the outfall Felix Road.
 - ed. Gila River from confluence with the Salt River to Gillespie Dam.
 - f e. Queen Creek from Superior WWTP Mining Division discharge outfall to 8 kilometers downstream from the outfall confluence with Potts Canyon.
 - gf. Unnamed wash from Gila Bend WWTP outfall to confluence with Gila River.
 - hg. Unnamed wash from Luke AFB WWTP outfall to the confluence with Agua Fria River.
 - ± h. Unnamed wash from Queen Valley WWTP outfall
 to 3-kilometers downstream from the confluence
 with Oueen Creek.
 - 4. In the Rio Yaqui Rios de Mexico Basin:
 - Mule Gulch, from Bisbee WWTP <u>outfall</u> to confluence with Whitewater Draw.

- Unnamed wash from Bisbee-Douglas International Airport WWTP outfall to Whitewater Draw.
- 5. In the Salt River Basin:
 - a. Pinal Creek from Globe WWTP outfall to 5 kilometers downstream from the outfall Unnamed wash from Globe WWTP outfall to confluence with Pinal Creek and from confluence of unnamed wash and Pinal Creek to Radium.
 - Salt River from 23rd Avenue WWTP outfall to confluence with the Gila River.
- 6. In the San Pedro River Basin:
 - a. Unnamed wash from Oracle WWTP outfall to confluence with Big Wash.
 - Walnut Gulch from Tombstone WWTP outfall to confluence with the San Pedro River Tombstone Gulch.
- 7. In the Santa Cruz River Basin:
 - a. North Branch of the Santa Cruz Wash from the Casa Grande-WWTP outfall to confluence with the Santa Cruz Wash.
 - b.a. Santa Cruz River from City of Nogales WWTP Nogales International WWTP outfall to Josephine Canyon Tubac Bridge.
 - e.b. Santa Cruz River from Roger Road WWTP outfall to Baumgartner Road crossing.
 - Unnamed wash from Oracle WWTP outfall to 5 kilometers downstream.
- 3. In the Upper Gila River Basin:
 - Bennet Bennett Wash from Arizona Dept. Department of Corrections-Safford WWTP outfall to Gila River.
 - b. Cammerman Wash Unnamed wash from Arizona Dept. Department of Corrections-Globe WWTP outfall to 3 kilometers downstream from the outfall the boundary of the San Carlos Indian Reservation.
- In the Verde River Basin:
 - American Gulch from Payson Northern Gila County Sanitary District WWTP outfall to the East Verde River.
 - Bitter Creek from Jerome WWTP outfall to 2.5 kilometers downstream from the outfall.
 - Jack's Jacks Canyon Wash from Big Park WWTP outfall to confluence with Dry Beaver Creek.
- The water quality standards that apply to an effluent-dependent water shall be used to derive discharge limitations for a point source discharge from a wastewater treatment plant to an ephemeral water which changes that ephemeral water into an effluent-dependent water.

R18-11-114. Mixing Zones

- A. The Director may, by order, establish a mixing zone in a navigable <u>surface</u> water. Mixing zones are prohibited in ephemeral waters or where there is no water for dilution.
- B. The owner or operator of a point source seeking the establishment of a mixing zone shall submit a mixing zone application to the Department on a standard form that is available from the Department. The application shall include:
 - Identification of the pollutant for which the mixing zone is requested;
 - A proposed outfall design;
 - A definition of the boundary of the proposed mixing zone.
 For purposes of this subsection, the boundary of a mixing
 zone means the location where the concentration of treated
 wastewater across a transect of the navigable surface water
 differs by less than 5%.
 - A complete and detailed description of the existing physical, biological, and chemical conditions of the

- receiving water and of the predicted impact on such conditions from the proposed mixing zone.
- Information which demonstrates that there will be no acute toxicity in the proposed mixing zone.
- C. The Department shall review the application for a mixing zone to determine whether the application is complete. If the application is incomplete, the Department shall identify in writing the additional information that must be submitted to the Department before the Department can take administrative action on the application for a mixing zone.
- D. When the application for a mixing zone is complete, the Department shall make a preliminary determination of whether to establish the mixing zone. The Department shall give public notice and conduct a public hearing on whether to establish a mixing zone pursuant to the administrative procedures prescribed in A.A.C. R18-1-401 and R18-1-402.
- E. In making the determination of whether to grant or deny the request for the establishment of a mixing zone, the Director shall consider the following factors: sediment deposition, bioaccumulation, bioconcentration, predicted exposure of biota, and the likelihood that resident biota will be adversely affected, whether there will be acute toxicity in the mixing zone, the known or predicted safe exposure levels for the pollutant of concern, the likelihood of adverse human health effects, the size of the mixing zone, location of the mixing zone relative to biologically sensitive areas in the navigable surface water, concentration gradient within the mixing zone, the physical habitat, the potential for attraction of aquatic life to the mixing zone, and the cumulative impacts of other mixing zones and other discharges to the navigable-surface water.
- F. The Director shall deny the request to establish a mixing zone if water quality standards outside the boundaries of the proposed mixing zone will be violated or if concentrations of pollutants within the proposed mixing zone will cause acute toxicity to aquatic life. Denials of applications for a mixing zone shall be in writing and shall state the reasons for the denial. If the Director determines that a mixing zone should be established, he shall issue an order to establish the mixing zone. The Director may include conditions in the order that the Director deems are necessary to protect human health and the designated uses of the navigable surface water. A copy of the Director's decision and order shall be sent by certified mail to the applicant.
- G. Any person who is adversely affected by an order of the Director pertaining to a mixing zone may appeal the Director's decision to an administrative law judge pursuant to A.R.S. § 49-321.
- H. A mixing zone shall be reevaluated upon issuance, reissuance, or modification of the National Pollutant Discharge Elimination System permit for the point source or modification of the outfall structure.
- I. The length of the mixing zone shall not exceed 500 meters in flowing streams. The total horizontal area allocated to all mixing zones on a lake shall not exceed 10% of the surface area of the lake. Adjacent mixing zones in a lake shall be no closer than the greatest horizontal dimension of any of the individual mixing zones.
- J. A mixing zone shall provide for a zone of passage of not less than 50% of the cross-sectional area of the river or stream.
- K. The discharge outfall shall be designed to maximize initial dilution of the treated wastewater in a navigable surface water.

R18-11-115. Nutrient Waivers

A. The water quality standards for total phosphorus and total nitrogen may be waived on a discharger-specific basis for a discharge to an ephemeral water which is tributary to a navigable surface water for which water quality standards for total nitrogen or total phosphorus are prescribed in R18-11-109.G R18-11-109(H).

- B. A discharger who seeks a nutrient waiver shall submit an application to the Department on a standard form that is available from the Department. The application shall include:
 - 1. Identification of the applicant;
 - 2. Information on the discharging facility, including:
 - a. Date the facility was placed in service,
 - b. Location of the facility,
 - c. Location of the discharge point,
 - d. Wastewater treatment method, and
 - e. Discharge flow;
 - Information on the receiving navigable surface water, including:
 - a. Name of the receiving water,
 - Months of the year the receiving water is normally dry;
 - e.b. Distance in river miles to the nearest downstream navigable surface water with perennial flow, and
 - d.c. Distance from the point of discharge to the point where the flow goes subsurface during an average dry season;
 - 4. Information which demonstrates that the navigable water nearest downstream surface water with perennial flow is free from pollutants in amounts or combinations which cause the growth of algae or aquatic plants that inhibit or prohibit the habitation, growth, or propagation of other aquatic life or that impair recreational uses;
 - Water quality data, including:
 - Monthly average, 90th percentile, and single-sample maximum concentrations of total phosphoru and total nitrogen as measured at the point of discharge;
 - Monthly average, 90th percentile and single sample maximum concentrations of total phosphorus and total nitrogen as measured at a downstream control point established by the Department; and
 - c. Discharge flow at the time of sampling.
- C. The Department shall review the application for completeness and shall notify the applicant in writing whether the application is complete or whether additional information needs to be submitted to the Department.
- D. Once an application for a nutrient waiver is complete, the Department shall make a preliminary determination of whether to grant or deny the nutrient waiver. The Department shall issue public notice and conduct a public hearing on whether the request for a nutrient waiver should be granted pursuant to procedures prescribed in A.A.C. R18-1-401 and A.A.C. R18-1-402.
- E. The Director may, by order, grant a nutrient waiver provided the discharge will not cause a violation of a water quality standard for total phosphorus or total nitrogen in any downstream, perennial navigable surface water or cause a violation of narrative standards prescribed in R18-11-108. A copy of the Director's decision and order shall be sent by certified mail to the applicant.
- F. Any person who is adversely affected by an order granting or denying a nutrient waiver may appeal the decision to an administrative law judge pursuant to A.R.S. § 49-321.
- G. A nutrient waiver shall be for a fixed term not to exceed 5 years. A nutrient waiver shall be reevaluated upon issuance, reissuance, or modification of the National Pollutant Discharge Elimination System permit for the point source.

R18-11-117. Canals and Municipal Park Lakes

A. Nothing in this Article shall be construed to prevent the routine physical or mechanical maintenance of canals, drains, and the municipal park lakes identified in Appendix B. Physical or mechanical maintenance includes dewatering, lining, dredging, and the physical, biological, or chemical control of weeds and

- algae. Increases in turbidity that result from physical or mechanical maintenance activities are permitted in canals, <u>drains</u>, and the municipal park lakes identified in Appendix B.
- B. The discharge of lubricating oil that is associated with the startup of well pumps which discharge to canals shall not be considered a violation of R18 11 108.B. R18-11-108(B).

R18-11-118. Dams and Flood Control Structures

- A. Increases in turbidity that result from the routine physical or mechanical maintenance of dams and flood control structures shall not be construed as violations of this Article.
- B. Nothing in this Article shall be construed to require a person who operates a dam or flood control structure to operate such structure so as to cure or mitigate an exceedance of a water quality standard caused by another person.
- C. Nothing in this Article shall be construed to require the releases of water from dams.

R18-11-120. Enforcement

- A. Any person who causes a violation of a water quality standard or any provision of this Article is subject to the enforcement provisions prescribed in A.R.S. Title 49, Chapter 2, Article 4.
- B. A numeric water quality standard may be established at a concentration that is below the practical quantitation limit. In such cases, the water quality standard is enforceable at the practical quantitation limit. The applicable practical quantitation limits are prescribed in Appendix C of this Article.
- C. Compliance with acute aquatic and wildlife criteria shall be determined from the analytical test result of either a one hour composite sample or a grab sample. Compliance with chronic aquatic and wildlife criteria shall be determined from the arithmetic mean of the analytical results of grab samples collected over a period of 4 consecutive days at a minimum rate of 1 grab sample per day.
- D. A person is not subject to penalties for violation of a water quality standard provided that such person is in compliance with the provisions of a compliance schedule issued pursuant to R18-11-121.

R18-11-121. Schedules of Compliance

- A. A schedule to bring an existing point source into compliance with a water quality standard adopted after August 13, 1986 may be established in a National Pollutant Discharge Elimination System permit for the existing point source. A compliance schedule for an existing point source shall require compliance with a discharge limitation based upon a water quality standard no later than 3 years after the effective date of issuance of the water quality standard National Pollutant Discharge Elimination System permit. In order for a schedule of compliance to be granted, the owner or operator of the existing point source shall demonstrate that all requirements under § 301(b) and § 306 of the Clean Water Act have been achieved and that the point source cannot comply with a discharge limitation based upon the water quality standard through the application of existing water pollution control technology, operational changes, or source reduction.
- B. A schedule of compliance shall not be established in a National Pollutant Discharge Elimination System permit for a new point source. For purposes of this subsection, a new point source means a point source the construction of which commences after the effective date of a water quality standard. Commencement of construction means that the owner or operator of the point source has obtained the federal, state, and local approvals or permits necessary to begin physical construction of the point source and either:
 - On-site physical construction program has begun; or

- The owner or operator has entered into a contract for physical construction of the point source and the contract cannot be cancelled or modified without substantial loss.
 For purposes of this subsection, "substantial loss" means in excess of 10% of the total cost incurred for physical construction.
- C. A schedule to bring a point source discharge of storm water into compliance with a water quality standard may be established in a National Pollutant Discharge Elimination System permit. A compliance schedule for a storm water discharge shall require implementation of all reasonable and cost-effective best management practices to control the discharge of pollutants in storm water. A compliance schedule shall require compliance with a water quality standard but no later than ten years after the effective date of the water quality standard.

R18-11-122. Variances

- A. The Director may grant a variance from a water quality standard for a point source discharge provided the discharger demonstrates that treatment more advanced than that required to comply with technology-based effluent limitations is necessary to achieve compliance with the water quality standard and it is not technically or economically feasible to achieve compliance within the next 5 years.
- B. A variance may be granted only on a pollutant-specific basis. A point source discharge is required to comply with all other applicable water quality standards for which a variance is not granted.
- C. A variance applies only to a specific point source discharge. The granting of a variance does not modify a water quality standard. Other point source discharges to the surface water are required to comply with applicable water quality standards, including any water quality standard for which a variance has been granted for a specific point source discharge.
- D. A variance shall be for a fixed term not to exceed 5 years. Upon expiration of a variance, a point source discharger shall either comply with the water quality standard or apply for renewal of the variance. In order for a variance to be renewed, the applicant shall demonstrate that reasonable progress towards achieving compliance with the water quality standard has been made during the term of the variance.
- E. A variance shall be reevaluated upon the issuance, reissuance, or modification of the National Pollutant Discharge Elimination System permit for the point source discharge.
- F. A person who seeks a variance from a water quality standard shall submit a letter to the Department requesting a variance. A request for a variance shall include the following information:
 - Identification of the specific pollutant and water quality standard for which a variance is sought;
 - 2. Identification of the receiving surface water;
 - For an existing point source discharge, a detailed description of the existing discharge control technologies that are used to achieve compliance with applicable water quality standards. For a new point source discharge, a detailed description of the proposed discharge control technologies that will be used to achieve compliance with applicable water quality standards;
 - 4. Documentation that the existing or proposed discharge control technologies will comply with technology-based effluent limitations and that more advanced treatment technology is necessary to achieve compliance with the water quality standard for which a variance is sought;
 - A detailed discussion of the reasons why compliance with the water quality standard cannot be achieved;
 - A detailed discussion of the discharge control technologies that are available for achieving compliance with the water quality standard for which a variance is sought;

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- Documentation that it is not technically or economically feasible to install and operate any of the available discharge control technologies to achieve compliance with the water quality standard for which a variance is sought;
- 8. Documentation that the point source discharger has reduced, to the maximum extent practicable, the discharge of the pollutant for which a variance is sought through implementation of a local pretreatment, source reduction, or waste minimization program;
- 9. A person who requests a variance shall propose interim discharge limitations which represent the highest level of treatment achievable by the point source discharge during the term of the variance. Interim discharge limitations shall not be less stringent than technology-based effluent limitations.
- G. In making a decision on whether to grant or deny the request for a variance, the Director shall consider the following factors: Bioaccumulation, bioconcentration, predicted exposure of

- biota, and the likelihood that resident biota will be adversely affected, the known or predicted safe exposure levels for the pollutant of concern, and the likelihood of adverse human health effects.
- H. The Department shall issue public notice and shall provide an opportunity for a public hearing on whether the request for a variance should be granted or denied pursuant to procedures prescribed in A.A.C. R18-1-401 and R18-1-402.
- I. Any person who is adversely affected by a decision of the Director to grant or deny a variance may appeal the decision to an administrative law judge pursuant to A.R.S. § 49-321.
- J. Variances shall not be granted for a point source discharge to a unique water listed in R18-11-112.
- K. A variance is subject to review and approval by the Regional Administrator of the U.S. Environmental Protection Agency.

R18-11-123. Prohibition Against Discharge; Sabino Creek
The discharge of treated wastewater to Sabino Creek is prohibited.

Appendix A: Table 1. Human 1	Health and	gricultural	Human Health and Agricultural Designated Use Numeric Water Quality Criteria	e Numeric V	Vater Qualit	y Criteria	
PARAMETER	CAS	DWS ²	Ю	PBC	PBC ²	Agľ	AgL?
	NUMBER	(μg/L)	(μg/L)	(μg/L)	(μg/L)	(µg/L)	(µg/L)
Acenaphthene	83-32-9	420	2600	8400	8400	SNN	NNS
Acenaphthylene	208-96-8	NNS	SNN	NNS	NNS	SNN	NNS
Acrolein	107-02-8	110	750	2200	2200	NNS	NNS
Acrylonitrile	107-13-1	90.0	0,64	2.6	NNS	NNS	NNS
Alachlor	15972-60-8	2	NNS	1400	1400	NNS	NNS
Aldrin	309-00-2	0.002	0,0003	0.08	4.2	*	<u>~</u>
Ammonia	7664-41-7	NNS	NNS	NNS	NNS	NNS	NNS
Anthracene	120-12-7	2100	6300	42000	42000	NNS	NNS
Antimony (as Sb)	7440-36-0	6 T	140 T	56 T	56 T	NNS	NNS
Arsenic (as As)	7440-38-2	50 T	1450 T	50 T	50 T	2000 T	200 T
Asbestos	1332-21-4	g	SNN	SNN	SNN	NNS	SNN
Atrazine	1912-24-9	3	NNS	4900	4900	SNN	SNN
Barium (as Ba)	7440-39-3	2000 T	NNS	00086	O 0086	NNS	NNS

Appendix A: Table 1. Human F	Fealth and A	gricultural D	Hunnan Health and Agricultural Designated Use Numeric Water Quality Criteria	Numeric W	ater Quality	Criteria	
PARAMETER	CAS	DWS ²	FC?	LBC,	PBC2	AgP	AgL ²
	NUMBER	(µg/L)	(μg/L)	(µg/L)	(µg/L)	(µg/L)	(μg/L)
Вепхенс	71-43-2	\$	120	48	NNS	NNS	NNS
Benzidine	92-87-5	0.0002	0.002	9000	420	0.01	0.01
Венг (а) антиасепе	56-55-3	0.003	0.00008	0.12	NNS	NNS	NNS
Вепхо (а) ругепе	50-32-8	0.2	0.002	0.2	NNS	NNS	NNS
Benzo (ghi) perylene	191-24-2	NNS	NNS	NNS	NNS	NNS	NNS
Benzo (k) fluoranthene	207-08-9	0.003	0.00001	0.12	NNS	NNS	NNS
3,4-Benzofluoranthene	205-99-2	0.003	0.00004	0.12	SNN	NNS	NNS
Beryllium (as Bc)	7440-41-7	4 T	0.21 T	4 T	700 T	NNS	NNS
Bis (2-chloroethoxy) methane	1-16-111	NNS	, SNN	SNN	NNS	NNS	NNS
Bis (2-chloroethyl) ether	111-44-4	0.03	*	<u>.</u>	NNS	SNN	NNS
Bis (2-chloroisopropyl) ether	108-60-1	280	15000	0098	2600	SNN	NNS
Boron (as B)	7440-42-8	630	NNS	12600	12600	1000 T	NNS
Bromodichloromethane	75-27-4	ТТНМ	22	100	2800	NNS	NNS

Appendix A: Table 1. Human I	Health and A) gricultural	Tuman Health and Agricultural Designated Use Numeric Water Quality Criteria	e Numeric V	Vater Qualit	y Criteria	
PARAMETER	CAS	DWS2	FC²	FBC?	PBC ²	Agľ²	AgL²
	NUMBER	(μg/L)	(μg/L)	(μg/L)	(µg/L)	(μg/L)	(µg/L)
p-Bromodiphenyl ether	101-55-3	NNS	NNS	NNS	NNS	NNS	NNS
Вготобогт	75-25-2	TTHM	. 08	180	2800	NNS	NNS
Bromomethane	74-83-9	9.8	7500	200	200	NNS	NNS
Butyl benzyl phthalate	85-68-7	1400	2000	28000	28000	NNS	NNS
Cadınium (as Cd)	7440-43-9	SТ	41 T	70 T	70 T	50 T	.50 T
Сагвойнап	1563-66-2	40	NNS	700	. 00	NNS	NNS
Carbon tetrachloride	56-23-5	š	5.5	=	86	NNS	NNS
Chlordane	57-74-9	2	0,001	2	8.4	NNS	NNS
Chlorine (total residual)	7782-50-5	NNS	NNS	14000	14000	NNS	NNS
Chlorobenzene	108-90-7	001	200	2800	2800	NNS	NNS
p-Chloro-m-cresol	59-50-7	SNN	NNS	SNN	SNN	NNS	SNN
2-Chloroethyl vinyl ether	110-75-8	SNN	NNS	SNN	SNN	SNN	NNS
Chloroform	67-66-3	ТТНМ	290	230	1400	NNS	NNS

Appendix A: Table 1. Human F	Health and A	gricultural 1	Human Health and Agricultural Designated Use Numeric Water Quality Criteria	e Numeric V	Vater Quality	Criteria	
PARAMETER	CAS	DWS ²	FC?	FBC²	PBC2	Agr	AgL ²
	NUMBER	(µg/L)	(μg/L.)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
Chloromethane	74-87-3	5.7	1800	230	2800	NNS	NNS
Chloronapthalene beta	91-58-7	260	13000	11000	11000	NNS	NNS
2-Chiorophenol	95-57-8	35	2100	700	700	NNS	NNS
4-Chlorophenyl phenyl ether	7005-72-3	NNS	NNS	NNS	NNS	NNS	NNS
Chromium (as Cr III)	16065-83-1	NNS	67000 T	140000 T	140000 T	NNS	NNS
Chromium (as Cr VI)	18540-29-9	SNN	3400 T	700 T	7.00 T	NNS	NNS
Chromium (Yotal as Cr)	7440-47-3	100 T	NNS	SNN	SNN	1000 T	1000 T
Chrysene	218-01-9	0.003	1000	0.12	SNN	SNN	NNS
Copper (as Cu)	7440-50-8	1000 D	NNS	5200 D	2200 D	5000 T	500 T
Cyanide	57-12-5	200 T	210000 T	2800 T	2800 T	NNS	200 T
Dibenz (ah) anthracene	53-70-3	0.003	0.00003	0,12	NNS	NNS	NNS
Dibromochforomethane	124-48-1	TIIM	12	17	2800	SNN	NNS
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	0.2	NNS	NNS	NNS	NNS	NNS

Appendix A: Table 1. Human I	Health and A	Agricultural	Human Health and Agricultural Designated Use Numeric Water Quality Criteria	e Numeric V	Vater Qualit	y Critteria	
PARAMETER	CAS	DWS	FC²	PBC2	PBC ²	Agľ	AgL?
	NUMBER	(нg/L)	(μg/L)	(µg/L.)	· (μg/L)	(μg/L)	(µg/L)
1,2-Dibromoethane (EDB)	106-93-4	0.05	NNS	1.6	NNS	SNN	SNN
Dibutyl phthalate	84-74-2	700	2300	14000	14000	SNN	NNS
1,2-Dichlorobenzene	95-50-1	009	2800	13000	13000	NNS	NNS
1,3-Dichlorobenzene	541-73-1	. 56	2000	1880	0881	NNS	NNS
1,4-Dichtorobenzene	106-46-7	75	1200	1880	0881	NNS	NNS
3,3'-Dichlorobenzidine	91-94-1	0.08	0.09	3.1	NNS	SNN	SNN
p,p'-Dichlorodiphenyldichlorocthane (DDD)	72-54-8	0.15	0.000	5.8	NNS	0.001	100.0
p,p'-Dichlorodiphenyldichloroethylene (DDB)	72-55-9	0.1	9000'0	4.1	NNS	0.001	0.001
p,p'-Dichlorodiphenyltrichloroethane (DDT)	50-29-3	0.1	0.0005	4.1	70	0.001	0,001
1,1-Dichloroethane	75-34-3	SNN	NNS	NNS	NNS	SNN.	NNS
1,2-Dichloroethane	107-06-2	5	120	15	NNS	NNS	NNS
1,1-Dichloroethylene	75-35-4	7	4.5 ,	7	1300	NNS	NNS
1,2-cis-Dichloroethylene	156-59-2	70	NNS	NNS	NNS	NNS	NNS

Appendix A: Table 1. Human I	Health and A	gricultural I	Human Health and Agricultural Designated Use Numeric Water Quality Criteria	Numeric W	ater Quality	Criteria	
PARAMETER	cvs	DWS,	FC ³	PBC	PBC²	Agi	AgL ²
	NUMBER	(µg/L)	(ug/L)	(µg/L)	(µg/L)	(µg/L.)	(µg/L)
1,2-trans-Dichloroethylene	156-60-5	100	13000	2800	2800	NNS	NNS
Dichloromethane	75-09-2	×	480	061	8400	NNS	NNS
2,4-Dichlorophenol	120-83-2	21	810	420	420	NNS	NNS
2,4-Dichlorophenoxyacetic acid (2,4-D)	94-75-7	70	NNS	1400	1400	NNS	NNS
1,2-Dichloropropane	78-87-5	5	NNS	NNS	NNS	NNS	NNS
1,3-Dichloropropene	542-75-6	0.2	9'9	7.8	42	NNS	. SNN
Dieldrin	60-57-1	0.002	0.0002	0.09	7	· **	~
Diethyl phthalate	84-66-2	2600	110000	110000	110000	NNS	NNS
Di(2-cthylhexyl) phthalate	117-81-7	9	7,4	100	2800	NNS	NNS
2,4-Dimethylphenol	6-29-501	140	2200	2800	2800	NNS	NNS
Dimethyl phthalate	131-11-3	70000	2800000	1400000	1400000	NNS .	NNS
4,6-Dinitro-o-cresol	534-52-1	2.7	120	55	55	NNS	NNS
2,4-Dinitrophenol	51-28-5	14	5400	280	280	NNS	NNS

Appendix A: Table 1. Human I	Health and A	\gricultural	Human Health and Agricultural Designated Use Numeric Water Quality Criteria	e Numeric V	Vater Quality	y Criteria	
PARAMETER	CAS	_s SMQ	ĹĊ	FBC	PBC²	AgP	AgL?
	NUMBER	(µg/L)	(μg/L)	(μg/L)	(μg/L)	(μg/L)	(μg/L)
2,4-Dinitrotoluene	121-14-2	7	163	280	280	. SNN	NNS
2,6-Dinitrotoluene	606-20-2	NNS	NNS	NNS	NNS	NNS	NNS
Di-n-octyl phthalate	117-84-0	NNS	SNN	NNS	NNS	NNS	NNS
1,2-Diphenylhydrazine	122-66-7	0,04	0.25	1.8	NNS	NNS	NNS
Endosulfan sulfate	1031-07-8	0.35	97.0	7	7	NNS	NNS
Endosulfan (Total)	115-29-7	42	011	840	840	SNN	SNN
Endrin	72-20-8	0.2		40	40	0.004	0,004
Endrin aldehyde	7421-93-3	2.1	18'0	420	420	SNN	SNN
Efftyfbenzene	100-41-4	700	. 000011	14000	14000	NNS	NNS
Ethyl chloride	75-00-3	SNN	SNN	SNN	SNN	SNN	SNN
Fluoranthene	206-44-0	280	130	2600	2600	NNS	SNN
Тиогепе	<i>L-EL-</i> 98	280	580	5600	2600	NNS	NNS
Fluorine	7782-41-4	4000	NNS	8400	8400	NNS	SNN

Appendix A: Table 1. Human I	Tealth and A	gricultural	Human Health and Agricultural Designated Use Numeric Water Quality Criteria	e Numeric V	Vater Quality	/ Criteria	
PARAMETER	CAS	DWS ²	FC?	PBC²	PBC?	AgP	AgL²
	NUMBER	(µg/L)	(µg/L)	(μg/L)	(µg/L)	(µg/L)	(µg/L)
Heptachlor	76-44-8	0.4	0.0002	0.4	70	NNS	NNS
Heptachtor epoxide	1024-57-3	0.2	0.0001	0.2	7	NNS	SNN
Hexachlorobenzene	118-74-1	-	0.002		280	NNS	NNS
Hexachlorobutadiene	87-68-3	0.45	0.52	· 81	NNS	NNS	SNN
Hexachlorocyclohexane alpha	319-84-6	900.0	9'0'3	0.22	SNN	NNS	NNS
Hexachlorocyclohexane beta	319-85-7	0.02	0.02	0.78	SNN	NNS	NNS
Hexacillorocyclohexane dolta	319-86-8	NNS	NNS	NNS	NNS	NNS	NNS
Hexachlorocyclohexane gamma (lindane)	58-89-9	0.2	0.02	STATE TO STATE OF THE STATE OF	42	NNS	NNS
Hexachlorocyclopentadiene	77-47-4	50	550	1000	1000	NNS	NNS
Hexachlorocthanc	67-72-1	2.5	4.8	100	140	NNS	NNS
Indeno (1,2,3-cd) pyrene	193-39-5	0.003	0.00003	0.12	NNS	NNS	NNS
Isophorone	78-59-1	36.8	2300	1500	28000	NNS	NNS
Lead (as Pb)	7439-97-1	50 T	NNS	SNN	NNS	10000 T	100 T

Appendix A: Table 1. Human	Health and A	Agricultural	Human Health and Agricultural Designated Use Numeric Water Quality Criteria	e Numeric V	Vater Qualit	y Criteria	
PARAMETER	CAS	p.SMQ	FC ²	FBC ²	PBC²	Agl²	AgL³
	NUMBER	(μg/L)	(μg/L)	(μg/L)	(μg/L)	(μg/L)	(µg/L)
Mangancse (as Mn)	7439-96-5	4900 T	NNS	19600 T	19600 T	10000	NNS
Mercury (as Hg)	7439-97-6	2 T	0.6 T	42 T	42 T	NNS	10 T
Methoxychior	72-43-5	40	NNS	700	700	NNS	NNS
Naphthalene	91-20-3	NNS	NNS	SNN	NNS	NNS	NNS
Nickel (as Ni)	7440-02-0	100 T	730 T	2800 T	2800 T	NNS	NNS
Nitrate (as N)	14797-55-8	10000	SNN	224000	224000	NNS	NNS
Nitrite (as N)	14797-65-0	0001	NNS	14000	14000	NNS	NNS
Nitrate/Nitrite (as Total N)		10000	NNS	NNS	NNS	NNS	NNS
Nitrobenzene	98-95-3	3.5	009	70	70	NNS	NNS
o-Nitrophenol	88-75-5	NNS	NNS .	NNS	NNS	NNS	NNS
p-Nitrophenol	100-05-7	NNS	NNS	NNS	NNS	NNS	SNN
N-nitrosodimethylamine	62-75-9	0.0007	2.1	0.03	NNS	NNS	SNN
N-nitrosodiphenylamine	86-30-6	7.1	14	290	NNS	NNS	NNS

Appendix A: Table 1. Human F	Health and A	gricultural J	Human Health and Agricultural Designated Use Numeric Water Quality Criteria	e Numeric W	/ater Quality	, Criteria	
PARAMETER	CAS	DWS ²	FC ²	FBC²	PBC ²	Agi	AgL²
	NUMBER	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(μg/L)	(μg/L)
N-nitrosodi-n-propylamine	621-64-7	0.005	0.51	0.2	SNN	NNS ·	NNS
Pentachlorophenol	87-86-5	****	8.2	1.1	2000	NNS	NNS
Phenauthrene	8-10-58	NNS	NNS	NNS	NNS	NNS	NNS
Phenol	108-95-2	4200	6500000	84000	84000	NNS	NNS
Polychlorinatedbiphenyls (PCBs)	1336-36-3	0.5	0.0000	0.5	NNS	0.001	0.001
Pyrenc	129-00-0	210	1100	4200	4200	NNS	NNS
Selenium (as Se)	7782-49-2	50 T	9000 T	700 T	700 T	20 T	50 T
Silver (as Ag)	7440-22-4	NNS	NNS	NNS	NNS	NNS	SNN
Styrene	100-42-5	001	NNS	28000	28000	NNS	NNS
Sulfides		NNS	NNS	NNS	NNS	NNS.	NNS
2,3,7,8-Tetrachlorodibenzo-p-dioxin (2,3,7,8-TCDD)	1746-01-6	0.0000003	0.000000004	0.0000	NNS	NNS	NNS
1,1,2,2-Tetrachloroethane	79-34-5	0.17	- warmed	7	NNS	NNS	NNS
Tetrachloroethylene	127-18-4	٠ .	40004	35	1400	NNS	NNS

Appendix A: Table 1. Human	Health and	\gricultural	Human Health and Agricultural Designated Use Numeric Water Quality Criteria	e Numeric V	Vater Qualit	y Criteria	
PARAMETER	CAS	DWS ²	FC²	FBC2	PBC	Agr	AgL²
	NUMBER	(µg/L)	(µg/L)	(μg/L) .	(д/g/L)	(μg/L)	(#g/L)
Thallium (as Tl)	7440-28-0	2 T	41 T	12 T	12 T	NNS	NNS
Тоневс	108-88-3	0001	00006	28000	28000	NNS .	NNS
Toxaphene	8001-35-2	3	0.0008	3	NNS	0.005	0.005
1,2,4-Trichlorobenzene	120-82-1	70	155	1400	1400	NNS .	NNS
1,1,1-Trichloroethane	71-55-6	200	000091	12600	12600	NNS	NNS
1,1,2-Trichloroethane	79.00-5		31	25	560	NNS	NNS
Trichloroethylene	79-01-6	\$	78	011	NNS	NNS	NNS
2,4,6.1 richlorophenol	88-06-2	3.2	4.9	130	NNS	NNS	SNN
2-(2,4,5-Trichlorophenoxy) proprionic acid (2,4,5-TP)	93-72-1	50	NNS	1120	1120	NNS	NNS
Trihalomethanes, Total		001	NNS	NNS	NNS	NNS	NNS
Uranium (as Ur)	7440-61-1	35 D	NNS	NNS	NNS	SNN	SNN
Vinyl chloride	75-01-4	2	620	80	NNS	NNS	NNS
Xylenes ('Fotal)	1330-20-7	10000	NNS	280000	280000	NNS	NNS

PARAMETER CAS¹ DWS² FC³ FBC² PBC³ Agf² Agf² NUMBER (μg/L) (μg/L) <td< th=""><th>Appendix A: Table 1. Human</th><th>Health and</th><th>\gricultural</th><th>Human Health and Agricultural Designated Use Numeric Water Quality Criteria</th><th>e Numeric V</th><th>Vater Qualit</th><th>y Criteria</th><th></th></td<>	Appendix A: Table 1. Human	Health and	\gricultural	Human Health and Agricultural Designated Use Numeric Water Quality Criteria	e Numeric V	Vater Qualit	y Criteria	
NUMBER (μg/L) (PARAMETER	CAS	DWS ²	[C]	FBC'	DBC,	ABP	AgL ²
7440-66-6 2100 T 22000 T 42000 T 42000 T 10000 T		NUMBER	(μg/L)	(μg/L)	(μg/L)	(µg/L)	(μg/L)	(ng/L)
	Zinc (as Zn)	7440-66-6	2100 T	22000 T	42000 T	42000 T	10000 T	25000 T

Appendix A: Table 2. Aquatic & Wildlife Designated Use Numeric Water Quality Criteria	2. Aquatic &	z Wildlife	Designated	Use Numo	ric Water	Quality C	riteria	Andreas and the state of the st	
PARAMETER	CAS	A&Wc	A&Wc	A&Ww	A&Ww	A&Wedw	A&Wedw	A&We	A&We
	NUMBER	Acute	Chronic	Acute ³	Chronic4	Acute ³	Chronic ⁴	Acute ³	Chronic4
		(µg/L)	(µg/L)	(ug/L)	(μg/L)	(µg/L)	(µg/L)	(μg/L)	(μg/L)
Асепарінінене	83-32-9	850	550	850	550	850	550	NNS	· NNS
Acenaphthylene	208-96-8	NNS	NNS	SNN	NNS	NNS	SNN .	NNS	SNN
Acrolein	107-02-8	34	30	34	30	34	30	NNS	NNS
Acrylonitrile	107-13-1	3800	250	3800	250	3800	250	NNS	SNN
Alachlor	15972-60-8	NNS	NNS	SNN	NNS	NNS	SNN	SNN	NNS
Aldrin	309-00-2	2.0	NNS	2.0	NNS	2.0	NNS	4.5	NNS
Ammonia	7664-41-7	ą	a	q	q	NNS	NNS	NNS	SNN

Appendix A: Table 2.		k Wildlife	Aquatic & Wildlife Designated Use Numeric Water Quality Criteria	Use Nume	ric Water	Quality C	riteria		
PARAMETER	CAS	Λ&Wc	V&Wc	A&Ww	A&Ww	A&Wedw	A&Wedw	A&We	A&We
·	NUMBER	Acute ³	Chronic⁴	Acute	Chronie ⁴	Acute ³	Chronie4	Acute ³	Chronic4
		(μg/L)	(μg/L)	(μg/L)	(μg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
Anthracene	120-12-7	NNS	NNS	NNS	NNS	NNS	NNS	NNS	NNS
Antimony (as Sb)	7440-36-0	88 D	30 D	88 D	30 D	1000 D	Q 009	NNS	NNS .
Arsenic (as As)	7440-38-2	360 D	190 D	360 D	I90 D	360 D	190 D	440 D	230 D
Asbestos	1332-21-4	NNS	NNS	SNN	NNS	NNS	NNS	NNS	NNS
Atrazine	1912-24-9	NNS	NNS	SNN	NNS .	SNN	NNS	NNS	NNS
Barium (as Ba)	7440-39-3	NNS	NNS	NNS	NNS	NNS	NNS	NNS	NNS
Венгене	71-43-2	2700	180	2700	180	11000	700	NNS	NNS
Benzidine	92-87-5	1300	86	1300	89	1300	68	10000	640
Benz (a) anthracene	. 6-52-95	NNS	NNS	NNS	NNS	SNN	NNS	NNS	NNS
Benzo (a) pyrene	50-32-8	NNS	NNS	NNS	NNS	NNS	NNS	NNS	NNS
Benzo (ghi) perylene	191-24-2	NNS	NNS	NNS	NNS	NNS	NNS	NNS	NNS
Benzo (k) fluoranthene	207-08-9	NNS	NNS	NNS	NNS	NNS	NNS	SNN	NNS

Appendix A: Table 2.	91	z Wildlife I)esignated	Use Nume	ric Water	Aquatic & Wildlife Designated Use Numeric Water Quality Criteria	iteria		
PARAMETER	CAS!	A&Wc	A&Wc	A&Ww	A&Ww	A&Wedw	A&Wedw	A&We	A&We
	NUMBER	Acute ³	Chronic⁴	Acute³	Chronic*	Acute³	Chronic ⁴	Acute³	Chronic*
		(T/8#)	(µg/L)	(µg/L.)	(μg/L)	(μg/L)	(/tg/L)	(µg/L)	(μg/L)
3,4-Benzoftuoranthene	205-99-2	NNS	NNS	NNS	NNS	NNS .	NNS	NNS	NNS
Beryllium (as Be)	7440-41-7	65 D	5.3 D	Q \$9.	5.3 D	65 D	5.3 D	NNS	NNS
Bis (2-chloroethoxy) methane	111-91-1	NNS	NNS	NNS	NNS	NNS	NNS	NNS	NNS
Bis (2-chloredhyl) ether	111-44-4	120000	6700	120000	00/9	120000	6700	NNS	NNS
Bis (2-chloroisopropyl) ether	1.08-60-1	NNS	NNS	NNS	NNS	NNS	NNS	NNS	NNS
Boron (as B)	7440-42-8	NNS	NNS	SNN	NNS	NNS	NNS	NNS	NNS
Bromodichloromethane	75-27-4	NNS	NNS	NNS	NNS	SNN	NNS	NNS	NNS
p-Bromodiphenyl ether	101-55-3	081	. 4	180	<u>#</u>	08.1	14	NNS	NNS
Вгошоботи	75-25-2	15000	10000	15000	10000	15000	10000	NNS	NNS
Bromomethane	74-83-9	5500	360	5500	360	2500	. 360	NNS	NNS
Butyl benzyl pluthalate	85-68-7	1700	130	1700	130	1700	130.	NNS	NNS
Cadmium (as Cd)	7440-43-9	c D	c D	c D	c D	c D	c D	c D ·	c D
							٠		

Appendix A: Table 2.	11 1	& Wildlife	Designated	Use Nume	eric Water	Aquatic & Wildlife Designated Use Numeric Water Quality Criteria	riteria		A de desantes servicios de la constante de la
PARAMETER	CAS	A&Wc	A&Wc	A&Ww	A&Ww	A&Wedw	A&Wedw	A&We	A&We
	NUMBER	Acute³	Chronic4	Acute³	Chronic*	Acute ³	Chronic4	Acute ³	Chronic
		(#g/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(#g/L)	(µg/L)
Carbofuran	1563-66-2	NNS	NNS	NNS	NNS	NNS	NNS	NNS	NNS
Carbon tetrachloride ·	56-23-5	18000	0011	18000	1100	18000	1100	NNS	NNS
Chlordanc	57-74-9	2.4	0.004	2.4	0.21	2.4	0.21	3.2	0.45
Chlorine (total residual)	7782-50-5	March March	5.0		5.0	***	5.0	NNS	SNN
Сиютовенгене	108-90-7	0800	029	0086	620	NNS	NNS	NNS	NNS
p-Chloro-m-cresol	59-50-7	15	4.7	15	4.7	15	4.7	48000	15000
2-Chloroethyl vinyl ether	110-75-8	180000	9800	180000	9800	180000	0086	NNS	NNS
Chloroform	67-66-3	14000	006	14000	006	14000	. 006	NNS	NNS
Chloromethane	74-87-3	270000	15000	270000	15000	270000	15000	SNN	NNS
Chtoronapthalene beta	91-58-7	SNN	SNN	SNIN	. SNN	SNN	NNS	NNS	NNS
2-Chlorophenol	95-57-8	. 5200	150	2200	150	2200	150	NNS	NNS
4-Chlorophenyl phenyl ether	7005-72-3	NNS	NNS	NNS	NNS	NNS	SNN	NNS	NNS

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Appendix A: Table 2.		. Wildlife I	Aquatic & Wildlife Designated Use Numeric Water Quality Criteria	Use Nume	ric Water	Quality Ca	iteria		
PARAMETER	CAS	A&Wc	A&Wc	A&Ww	A&Ww	A&Wedw	A&Wedw	A&We	A&We
	NUMBER	Acute ³	Chronie4	Acute ³	Chronic*	Acute ³	Chronic4	Acute	Chronic*
		(µg/L.)	(µg/L)	(μg/L.)	(μg/L)	(µg/L)	(µg/L)	(μg/L.)	(µg/L)
Chromium (as Cr III)	16065-83-1	d D	dЪ	QР	αр	dЪ	dЪ	ФÞ	đЪ
Chromium (as Cr VI)	18540-29-9	16 D	II D	G 91	II D	16 D	ан	34 D	23 D
Chromium (Total as Cr)	7440-47-3	NNS	NNS	NNS	NNS	NNS	SNŇ	NNS	NNS
Chrysene	218-01-9	NNS	NNS	NNS	NNS	NNS	NNS	NNS	NNS
Copper (as Cu)	7440-50-8	e D	eD	e D	e D	e D	еĎ	e D	e D
Cyanide	57-12-5	22 T	5,2 T	41 T	9.7 T	41 T	9.7 T	84 T	19 T
Dibenz (ah) anthracene	53-70-3	NNS	NNS	SNN	SNN	NNS .	NNS	NNS	NNS
Dibromochloromethane	124-48-1	NNS	NNS	NNS	NNS	NNS	SNN	NNS	NNS
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	NNS	NNS	NNS	NNS	NNS	NNS	NNS	NNS
1,2-Dibromoethane (BDB)	106-93-4	NNS	NNS	NNS	NNS	SNN	NNS	NNS	NNS
Dibutyl phthalate	84-74-2	470	35	470	35	470	35	0011	84
1,2-Dichlorobenzene	95-50-1	790	300	1200	470	1200	470	5900	2300

Appendix A: Table 2.	31	& Wildlife	Aquatic & Wildlife Designated Use Numeric Water Quality Criteria	Use Nume	ric Water	Quality C	riteria		
PARAMETER	CAS	A&Wc	A&Wc	A&Ww	A&Ww	A&Wedw	A&Wedw	A&We	Λ&We
	NUMBER	Acute ³	Chronic	Acute ³	Chronic	Acute ³	Chronic*	Acute³	Chronic*
		(µg/L)	(μg/L)	(µg/L)	(μg/L)	(µg/L)	(μg/L)	(µg/L)	(µg/L)
1,3-Dichlorobenzene	541-73-1	2500	070	2500	970	2500	970	NNS	NNS
1,4-Dichlorobeuzene	106-46-7	995	210	2000	780	2000	780	9200	2500
3,3'-Dichtorobenzidine	91-94-1	SNN	NNS	NNS	SNN	NNS	NNS	NNS	NNS
p,p'-Dichlorodiphenyldichloroethane (DDD)	72-54-8		0.001	404	0.02	-	0.02	- word	0.02
p,p'-Dichtorodiphenyldichtoroethylene (DDE)	72-55-9		100.0	•	0.02	Τ:	0.02	=	0.03
p,p'-Dichlorodiphenyltrichforoethane (DDF)	50-29-3	-	0.001	·	0.001	=	0.001	denned denned	900'0
1,1-Dichloroethane	75-34-3	NNS	NNS	NNS	NNS	NNS	NNS	NNS	NNS
1,2-Dichlorocthanc	107-06-2	\$9000	41000	29000	41000	29000	41000	NNS	NNS
1,1-Dichloroethylene	75-35-4	13000	950	15000	930	15000	950	NNS	NNS
1,2-cis-Dichloroethylene	156-59-2	SNN	SNN	SNN	SNN	NNS	NNS	SNN	SNN
1,2-trans-Dichloroethylene	156-60-5	00089	3900	00089	3900	00089	3900	NNS	NNS
Dichtoromethane	75-09-2	97000	5500	97000	\$500	97000	5500	NNS	NNS

Appendix A: Table 2.	1	Aquatic & Wildlife Designated Use Numeric Water Quality Criteria	esignated	Use Nume	ric Water	Quality Cr	iteria		
PARAMETER	CAS	A&Wc	A&Wc	A&Ww	A&Ww	A&Wedw	A&Wedw	A&We	A&We
	NUMBER	Acute³	Chronic⁴	Acute ³	Chronic ⁴	Acute ³	Chronic*	Acute ³	Chronic ⁴
		(μg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(μg/L)	(μg/L)	(HB/L)
2,4-Dichlorophenol	120-83-2	1000	88	0001	88	1000	888	NNS	NNS
2,4-Dichlorophenoxyacetic acid (2,4-D)	94-75-7	NINS	NNS	NNS	NNS	NNS	NNS	NNS	NNS
1,2-Dichloropropane	78-87-5	26000	9200	26000	9200	26000	9200	NNS	SNN
1,3-Dichloropropene	542-75-6	3000	1100	3000	1100	3000	1100	SNN	SNN
Dietdrin	60-57-1	2.5	0.002	2.5	0.007	2.5	0.005	4	6.0
Diethyl phthalate	84-66-2	26000	1600	26000	1600	26000	1600	NNS	NNS
Di(2-ethylhexyl) phthalate	117-81-7	400	360	400	360	400	360	3100	360
2,4-Dimethylphenol	6-29-501	0001	310	0001	310	1100	310	150000	43000
Dimethyl phthalate	131-11-3	17000	1000	17000	1000	17000	1000	NNS	NNS
4,6-Dinitro-o-cresol	534-52-1	310	24	310	24	310	24	NNS	NNS
2,4-Dinitrophenol	51-28-5	0.1	9.2	110	9.2	110.	9,2	NNS	NNS
2,4-Dinitrotoluene	121-14-2	15000	970	15000	970	15000	970	NNS	NNS

Appendix A: Table 2.		& Wildlife	Aquatic & Wildlife Designated Use Numeric Water Quality Criteria	Use Num	aric Water	Quality C	riteria		
PARAMETER	CAS	A&Wc	A&Wc	A&Ww	A&Ww	A&Wedw	A&Wedw	A&We	A&We
	NUMBER	Acute ³	Chronic	Acute ³	Chronic	Acute ³	Chronic	Acute ³	Chronic ⁴
		(µg/L)	(µg/L)	(µg/L)	(µg/L)	(μg/L)	(µg/L)	(µg/L)	(µg/L)
2,6-Dinitrotoluene	606-20-2	SNN	NNS	SNN	NNS	SNN	NNS	NNS	NNS
Di-n-octyl phthalate	117-84-0	NNS	SNN	NNS	NNS	NNS	NNS	NNS	NNS
1,2-Diphenylhydrazine	122-66-7	130	******	130		130		NNS	NNS
Endosulfan sulfate	1031-07-8	0.22	0.06	0.22	90.0	0.22	0.06	3.0	1.5
Endosulfan (Total)	115-29-7	0.22	90'0	0.22	90.0	0.22	0.06	3.0	1.5
Bndrin	72-20-8	0.18	0.002	0.2	80'0	0.2	0.08	0.7	0.3
Endrin aldehyde	7421-93-3	0.18	0.002	0.2	0.08	0.2	0.08	0.7	0.3
Ethylbenzene	100-41-4	23000	1400	23000	1400	23000	1400	NNS	NNS
Eithyl chloride	75-00-3	NNS	NNS	NNS	SNN	NNS	NNS	NNS	SNN
Fhoranthene	206-44-0	2000	1600	2000	0091	2000	1600	NNS	SNN
Fluorene	86-73-7	NNS	NNS	NNS	NNS	NNS	SNN	NNS	NNS
Fluorine	7782-41-4	NNS	NNS	SNN	NNS	NNS	NNS	NNS	NNS

Appendix A: Table 2.		Aquatic & Wildlife Designated Use Numeric Water Quality Criteria	Designated	Use Nume	ric Water	Quality Cr	iteria		
PARAMETER	CAS	A&Wc	A&Wc	A&Ww	A&Ww	A&Wedw	A&Wedw	A&We	A&We
	NUMBER	Acute³	Chronic⁴	Acute	Chronic	Acute ³	Chronic4	Acute	Chronic
		(µg/L)	(µg/L)	(μg/L)	(μg/L)	(µg/L)	(μg/L)	(µg/L)	(µg/L)
Heptachior	76-44-8	0.52	0.004	0.52	0.004	0.58	0.013	0.9	0.1
Heptachlor epoxide	1024-57-3	0.52	0.004	0.52	0.004	0.58	0.013	0.0	0.1
Нехасиютовендене	118-74-1	6.0	3.7	NNS	NNS	NNS	NNS	NNS	NNS
Hexachlorobutadiene	87-68-3	45	8.2	45	8.2	45	8.2	NNS	NNS
Hexachlorocyclohexane alpha	319-84-6	1600	130	1600	130	1600	130	1600	130
Hexachlorocyclohexane beta	319-85-7	0091	130	0091	130	1600	130	1600	130
Hexachlorocyclohexane delta	319-86-8	1600	130	0091	130	0091	130	1600	130
Hexachlorocyclohexane gamma (lindane)	6-68-85	2.0	0.08	3.4	0.28	7.6	0.61	=	6.0
Hexachlorocyclopentadiene	77-47-4	3.5	0.3	3.5	0.3	3.5	0.3	NNS	NNS
Hexachloroethane	67-72-1	490	350	490	350	490	350	850	610
Indeno (1,2,3-cd) pyrene	193-39-5	SNN	NNS	NNS	NNS	NNS	NNS	NNS	NNS
Isophorone	78-59-1	29000	43000	29000	43000	29000	43000	NNS	NNS

Appendix A: Table 2.		k Wildlife	Aquatic & Wildlife Designated Use Numeric Water Quality Criteria	Use Nume	ric Water	Quality C	riteria		
PARAMETER	CAS	A&Wc	A&Wc	A&Ww	A&Ww	A&Wedw	A&Wedw	A&We	A&We
	NUMBER	Acute ³	Chronic ⁴	Acute ³	Chronic4	Acute ³	Chronic*	Acute³	Chronic4
		(µg/L)	(µg/L)	(µg/L)	(μg/L)	(µg/L)	(µg/L)	(μg/L)	(μg/L)
Lead (as Pb)	7439-97-1	fD	G)	ťΩ	(D	(D	G)	£	f D
Manganese (as Mn)	7439-96-5	NNS	SNN	NNS	NNS	NNS	NNS	NNS	NNS
Mercury (as Hg)	7439-97-6	2.4 D	0.01 D	2.4 D.	0.01 D	2.6 D	0.2 D	5.0 D	2.7 D
Methoxychlor	72-43-5	NNS	SNN	NNS	NNS	NNS	NNS	NNS	NNS
Naphthalene	91-20-3	1100	210	3300	009	3300	009	NNS	NNS
Nickel (as Ni)	7440-02-0	gD	ПЯ	g D	g D	g D	gD	g g	gD
Nitrate (as N)	14797-55-8	NNS	NNS	SNN	NNS	NNS	NNS	NNS	NNS
Nitrite (as N)	14797-65-0	NNS	SNN	NNS	NNS	SNN	NNS	NNS	NNS
Nitrate/Nitrite (as Total N)		NNS	NNS	NNS	SNN	NNS	SNN	SNN	SNN
Nitrobenzene	98-95-3	1300	850	1300	850	1300	850	SNN	NNS
o-Nitrophenol	88-75-5	NNS	NNS	NNS	NNS	NNS	NNS	NNS	NNS
p-Nitrophenol	100-02-7	4100	3000	4100	3000	4100	3000	NNS	NNS

Appendix A: Table 2.	Aquatic 8	Aquatic & Wildlife Designated Use Numeric Water Quality Criteria	Designated	Use Nume	ric Water	Quality Cr	iteria		
PARAMETER	CAS	A&Wc	A&Wc	Λ&Ww	A&Ww	A&Wedw	A&Wedw	A&We	A&We
	NUMBER	Acute	Chronic4	Acute	Chronic4	Acute	Chronic ⁴	Acute ³	Chronic⁴
		(µg/L)	(µg/L)	(μg/L.)	(#B/L)	(μg/L)	(µg/L)	(μg/L)	(μg/L)
N-nitrosodimethylamine	62-75-9	NNS	NNS	NNS	SNN	NNS	NNS	NNS	NNS
N-nitrosodiphenylamine	86-30-6	2900	200	2900	200	2900	,200	NNS	NNS
N-nitrosodi-n-propylamine	621-64-7	NNS	SNN	NNS	NNS	NNS	NNS	NNS	NNS
Pentachiorophenol	87-86-5	_		_	-	4	=	-	=
Phenauthrene	85-01-8	30	6.3	30	6.3	54	6.3	NNS	NNS
Phenol	108-95-2	\$100	730	7000	1000	7000	1000	180000	26000
Polychlorinatedhiphenyls (PCBs)	1336-36-3	2.0	0.01	2.0	0.02	2.0	0.02	11	2.5
Pyrene	129-00-0	NNS	NNS	NNS	NNS	NNS	NNS	NNS	NNS
Selenium (as Sc)	7782-49-2	20 T	2.0 T	20 T	2.0 T	50 T	2.0 T	33 T	2.0 T
Silver (as Ag)	7440-22-4	Q !	NNS	a!	NNS	g i	NNS	<u>.</u>	NNS
Styrene	100-42-5	NNS	NNS	NNS	NNS	NNS	NNS	SNN	NNS
Sulfides		100	NNS	001	NNS	100	NNS	100	NNS
		A							

Appendix A: Table 2.		è Wildlife	Aquatic & Wildlife Designated Use Numeric Water Quality Criteria	Use Nume	ric Water	Quality C	riteria		
PARAMETER	CAS	A&Wc	Λ&Wc	A&Ww	A&Ww	A&Wedw	A&Wedw	A&We	A&We
	NUMBER	Acute ³	Chronic ⁴	Acute ³	Chronic ⁴	Acute³	Chronic ⁴	Acute	Chronie⁴
		(µg/L)	(µg/L)	(µg/L)	(µg/L)	(μg/L)	(μg/L)	(µg/L)	(µg/L)
2,3,7,8-Tetrachlorodibenzo-p-dioxin (2,3,7,8-TCDD)	1746-01-6	0.01	0.005	10'0	0.005	0.12	10.0	0.1	0.01
1,1,2,2-Tetrachloroethane	79-34-5	4700	3200	4700	3200	4700	3200	NNS	NNS
Tetrachloroethylene	127-18-4	2600	280	9009	089	9200	089	15000	1600
Thallium (as Tl)	7440-28-0	700 D	150 D	700 D	150 D	700 D	150 D	NNS	NNS
Toluene	108-88-3	8700	081	8700	081	8700	081	NNS	NNS
Тохарнене	8001-35-2	0.73	0.0002	0.73	0.02	0.73	0.02	- - - - - -	1.5
1,2,4-Trichlorobenzene	120-82-1	750	130	1700	300	NNS	NNS	NNS	NNS
1,1,1-Trichloroethane	71-55-6	2600	0091	2600	1600	2600	0091	NNS	NNS
1,1,2-Trichtoraethane	79-00-5	18000	12000	18000	12000	18000	12000	NNS	NNS
Trichloroethylene	79.01-6	20000	1300	20000	1300	20000	1300	NNS	SNN
2,4,6-Trichlorophenol	88-06-2	160	25	091	25	160	25	3000	460
2-(2,4,5-Trichlorophenoxy) proprionic acid (2,4,5-TP)	93-72-1	NNS	NNS	NNS	SNN	SNN:	NNS	NNS	NNS

Appendix A: Table 2. Aquatic & Wildlife Designated Use Numeric Water Quality Criteria	. Aquatic &	. Wildlife I	Designated	Use Nume	ric Water	Quality Cr	iteria		
PARAMETER	CAS	A&Wc	A&Wc	A&Ww	A&Ww	A&Wedw	A&Wedw	A&We	A&We
	NUMBER	Acute³	Chronic ⁴	Acute ³	Chronic	Acute ³	Chronic*	Acute	Chronic ⁴
		(#B/L)	(µg/L)	(μg/L)	(μg/L)	(μg/L)	(µg/L)	(µg/L)	('l/8rl')
Trihalomethancs, Total		NNS	NNS	SNN	NNS	SNN	NNS	NNS	NNS
Uranium (as Ur)	7440-61-1	NNS	NNS	NNS	NNS	NNS	NNS	NNS	NNS
Vinyl chloride	75-01-4	NNS	NNS	NNS	NNS	NNS	NNS	NNS	NNS
Xylenes (Total)	1330-20-7	NNS	NNS	NNS	NNS	NNS	NNS	NNS	NNS
Zinc (as Zn)	7440-66-6	aí	jD,	αí	αí	σí	αí	Q į	jD

The standard to protect this use is 7 million fibers (longer than 10 micrometers) per liter. : ಆ

Values for ammonia are contained in separate tables located at the end of Appendix A.

c - Cadmium

A&Wc acute standard: e(1.128 [in[tlandness]] - 3.828)

A&Wc chronic standard: e@7852 [in[therdness]] - 3.490)

A&Ww acute standard: e(1.128 lin(Hardness)] - 2.0149)

A&Ww chronic standard: e(0.7852 [in[Intduex3] -3.490]

A&Wedw acute standard: ell.128 [in[thindness]] - 2.0149]

A&Wedw chronic standard: e(0.7852 [mt] lardness)] - 3.490)

A&We acute standard: e(1.128 [In(Unrelness)] - 0.9691)

A&We chronic standard; e10.7852 [millarduss)] - 3.490]

(See Footnote 5)

d - Chromium III

A&We acute standard; e(0.8190 [in(thardness)] + 3.688)

A&Wc chronic standard: e(0.8190 [htt]lardness]] + 1.561)

A&Ww acute standard: e(0.8190 Intilardness) + 3.688)

A&Ww chronic standard: e(0.8190 fmtHardness) + 1.561)

A&Wedw acute standard: e(0.8190 [In(Hardness)] + 4.9361)

A&Wedw chronic standard; e(0.8190 [intHardness)] + 1.561)

A&We acute standard: e@8190 Infilarducs3] + 3.688)

A&We chronic standard: e(0.8190 [In[flandacess]] + 1.561)

(See Footnote 5)

e - Copper

A&We acute standard: e^{(0.9422} [luthordness]] - 1.464)

A&Wc chronic standard: e^{(0.8545} [hi[tlardness]] - 1.465]

A&Ww acute standard: e(0.9422 [In(Hardness)] - 1.464)

A&Ww chronic standard: e10.8545 [intllardness]] - 1.465)

A&Wedw acute standard: e(0.3422 [Intillardness)] - 1.464)

A&Wedw chronic standard: e(0.8345 [httlandness)] - 1.465)

A&We acute standard: e@9422 [In(Hardness)] - 1.1514)

A&We chronic standard: e@8545 [Intlandness] - 1.1448)

(See Footnote 5)

A&We acute standard: e(1.2730 intilardness) - 1.460)

f - Lead

A&We chronic standard: e0.2730 [hulthardness] - 4.705)

A&Ww acute standard: $e^{(1.2730~\text{lin(Hardness)}]~\cdot~1.469)}$

A&Ww chronic standard: e(1.2730 [In(Hardness)] - 4.705)

A&Wedw acute standard: e(1.2730 [In(Hardness)] - 1.460)

A&Wedw chronic standard: e0.2730 [httlardness] -4.705)

A&We acute standard: e(1.2730 [in[Hardness]] - 0.7131)

A&We chronic standard: e(1.2730 [In[Hardness]] - 3.9518)

(See Pootnote 5)

A&Wc acute standard: e(0.8460 [In(Hardness)] + 3.3611)

g - Nickel

A&We chronic standard: e@8466 [m(Hardness)] + 1.1644)

A&Ww acute standard: e(0.8460 [in(Hardness)] + 3.3611)

A&Ww chronic standard: e0.8460 [multiardness]] + 1.1644)

A&Wedw acute standard: e(0.8460 [hi[thardness]] + 3.3611)

A&Wedw chronic standard: e(0.8460 Intilardness) + 1.1644)

A&We acute standard: e(0.8460 lin(Hardness)] + 4.4389)

A&We chronic standard: e(0.8460 [In(Hardness)] + 2.2417)

(See Footnote 5)

A&We acute standard: e(1.005 (pil) - 4.830) h - Pentachlorophenol

A&Wc chronic standard: e(1.005 (pt) - 5.299) A&Ww acute standard: e(1.005 (p11) - 4.830) A&Ww chronic standard; e(1.005 (pll) - 5.290)

A&Wedw acute standard: e(1.005 (pH) - 4.830)

A&Wedw chronic standard: e(1.005 (pH) - 5.290)

A&We acute standard: e(1.005 (pH) - 3.4306)

A&We chronic standard: e(1.005 (p11) - 3.9006)

(See Footnote 6)

A&We acute standard: e(1.72 [in[Hardness)] - 6.52)

A&Ww acute standard; e(1.72 Intliardices)] - 6.52)

A&Wedw acute standard: e(1.72 [hi[thardness]] - 6.52)

A&We acute standard: e(1.72 fn(Hardness)) - 6.52)

(See Footnote 5)

A&We acute standard: e(0.8473 Intilardness) + 0.869)

A&Wc chronic standard: e(0.8473 [htt/lindness] + 0.761)

A&Ww acute standard: e(0.8473 [ln(Hardness)] + 0.860)

A&Ww chronic standard: e60.8473 [In(Hardness)] + 0.761)

A&Wedw acute standard: e(0.8473 [In[Hardhess)] + 0.860)

A&Wedw chronic standard: e(0.8473 thatthardness) + 0.761)

A&We acute standard: e^{(0.8473} [In(Hardness)] + 3.1342)

A&We chronic standard; e@8473 [hi@lardness] + 3.0484)

(See Footnote 5)

k - The standard to protect this use is 0.003 ug/l aldrin/dieldrin.

Chemical Abstract System (CAS) number is a unique identification number given to each chemical.

The numeric standards to protect this use shall not be exceeded.

Determination of compliance with chronic standards shall be as prescribed in R18-11-120.C. Determination of compliance with acute standards shall be as prescribed in R18-11-120.C.

Hardness, expressed as mg/L CaCO3, is inserted into the equation where it says "Hardness". Hardness is determined according to the following criteria:

If the receiving water body has an A&Wc or A&Ww designated use, then hardness is based on the hardness of the receiving water body from a sample taken at the same time that the sample for the metal is taken. ಹ

If the receiving water body has an A&Wedw or A&We designated use, then the hardness is based on the hardness of the effluent from a sample taken at the same time that the sample for the metal is taken, except that the hardness may not exceed 400 mg/L CaCO3.

The pH is inserted into the equation where it says "pH". pH is determined according to the following criteria:

If the receiving water body has an A&Wc or A&Ww designated use, then pH is based on the pH of the receiving water body from a sample taken at the same time that the sample for pentachlorophenol is taken.

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If the receiving water body has an A&Wedw or A&We designated use, then the pH is based on the pH of the effluent from a sample taken at the same time that the sample for pentachlorophenol is taken.

ug/L - micrograms per liter

NNS - No numeric standard.

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Dissolved - Q

Total recoverable

TTHM - Indicates that the chemical is a trihalomethane. See Trihalomethanes, Total for DWS standard.

ARMC - ACUTE

Total Ammonia mg-N/l (or mg NH3-N/liter)

五.	6.5	10,0	•	6.8	6.9	7.0	7.1	7.2	7.3	7.6	. 2	7.6	7.7	8	2.9	0	8	8	8.3	8,4	8.5	8.6	8.7	8.8	8.9	9,0	1 1 1 1 6
30 and above	11.8		- :	9.0	10.1	9,5	6.8	8.5	2.5	6.7	6,0	κη C	4.6	4.0	3.4	5.0	2.3	1.89	1.55	1.27	1.05	0.88	0.74	0.63	0.55	0.48	
8	16.6	7 2	0.5	5.0	14.3	13.4	12.5	11.6	10.6	5.2	4.0	7.4	6.4	i.	1.5	0.4	2	5.6	2.1	1.71	1.4.1	1.16	96.0	0.8	0.69	0.59	1 1 1 1 1 1
50	25	3 5	2 6		2	19.2	17.9	16.5	15.0	3.5	12.0	10.5	٠.	7.8	9.9	5.0	5.5	3.6	2.9	2.4	1.92	1.57	1.29	1.07	0.89	0.75	
5	24																										
18	24																										
17	7,7																										
16	24																										
钇	* 75																										
77	22 %																										
<u>€</u>	52																										
5	88																										
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grees 3	. 27																										
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emperature in Degrees Celsius 0 1 2 3 4	28																										
Тетре	8.8	2 6	3 6	Q :	<u>-</u>	N	22	19.8	18.0	16.2	14.3	12.5	10.8	9.2	7.8	6.5	5.2	4.2	3.3	2.6	2.1	1.6		1.0	0.8	0.7	
#d	6.5	, ,		0	6.	7.0	7.1	7.2	~	7.4	× >	7.6	7.7	7.8	2.9	8.0	8	8,2	8.3	8.4	3	8.6	8.7	8.8	8.0	0.0	1 1 1 1

pH and temperature are field measurements taken at the same time and location as the water samples destined for the laboratory analysis of ammonia.

If field measured pH and/or temperature values fall between the A&Wc Acute Total Ammonia tabular values, round field measured values according to standard rounding procedures to nearest tabular value to determine ammonia standard.

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Total Ammonia mg-N/liter (or mg NH3-N/liter)

튭	6.3	0 1	9	9	6.9	7.0	7 1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	4	න ල	α	8	8	4.6	တ က	9.6	8.7	හ හ	8	9.0	:
7	ю:	57	23	22	7	22	18.5	17.0	5.5	13.9	12.4	10.8	6.3	0.8	8.9	~	4.6	3.6	5.0	2.4	1.90	1.5%	1.25	1.02	0.84	0.70	
5	53	27	23	22	7	20	18.6	17.2	15.6	14.0	12.4	10.9	9.5	8.1	6.8	5.7	4.6	×.	٥. د	2.4	1.8	1.54	1.33	1.02	0.84	69.0	
12	ю	54	33	23	7	20	18.8	17.3	15.8	14.1	12.5	11.0	5.5		6.9	بر ش	4.6	3.7	3.0	7.7	5	1.54	7.33	1.02	0.84	0.69	
6	S	S.	54	ಜ	22	20	18.9	17.5	15.9	14.3	12.6	7.7	9.6	8.2	6.0	ည စာ	4.6	3,7	3.0	2.4	1.92	.55	5.5	1.02	0.83	0.68	;
10	£	52	54	23	22	2	19.1	17.6	16.0	74.4	12.7	11.2	9 6	8	7.0	လ	4.7	7	3.0	2.4	1.93	7.55	7.25	1.02	0.83	0.68	
٥	%	S	5	ಣ	22	7	19.3	17.8	16.2	14.5	12.8	11.3	7 6	8	7.0	5.0	4.7	ω 60	3.0	2.4	7.94	1.56	1.26	1.02	0.83	0.68	
cc	%	£	54	ຊ	2	7	19.5	17.9	16.3	14.7	13.0	11.4	9.8	8,4		5.0	4.8	χ 8	3.0	2,4	1.95	1.57	1.26	4.0	0.83	0.68	; 1 1 1 1 2 2 3 4
2	26	S	ĸ	54	2	7	. . .	18.1	16.5	14.8	5	11.5	6.6	2,5	7.2	0.9	4.8	۲. ده	×.	2.4	ر د د	1.58	1.27	10	0.83	0.68	
٠	27	5 6	23	27	7	; c	; c	18.4	16.7	15.0	3.3	11.6	10.0	8.6	7.2	6.1	8	o,	W.	S.	0.	1.59	1.28	1	9. O	0.68	
īU	27	92	S	72		3 6	3 6	7 2	16.0	1	7.5	11.7	10.1	7			0.7	, D	M	2,5	20.2	1.60	5	, i	8	89	3
cetsius 4	27	56	26	70	7 2	3 8	4 6	2 0		7	×	2	10.3	6	7 2	· <	0	4.0	3	5.5	20	79	2	2	- 0	9	2
igrees Ce 3	27	27	2	i K	ì	£ 6	2 7 7	707	7.	ī. ī.	1		7 0	. 0	, r.		ı C					, ,	, .		- c	969	3
in Degr 2	28	22	: X	3 %	3 6	.	7 6	2 - 2	17.5	7 7			i r		, ,		, r		, K	, ,	, ~	4 KG	35		90.0	90.0	ŝ
	28	27	2	3 2	3 2	÷ 1	3 2	- C	1 1 1 1 1		5 % 5 %		12.7		.,		; -	; ;	, k	, ,	; ~	* *	22.	3 5) è	2 6	2:1
Temperature 0 1	20		3 6	3 6	9 2	Q I	25	7 6	200) (÷ ;		5 c	, t	. u	, r	9 6	, 14 15 14	, ,	, ,	- 2	 6 1	?	5.00	0.0	2.5
<u>-</u>	-																									۵, c	:

NOTES:

pH and temperature are field measurements taken at the same time and location as the water samples destined for the laboratory analysis of ammonia.

If field measured pH and/or temperature values fall between the A&Ww Acute Total Ammonia tabular values, round field measured values according to standard scientific rounding procedures to nearest tabular value to determine the ammonia standard. તં

Notices of Proposed Rulemaking

ACUTE
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Total 'Ammonia mg-N/liter (or mg NH3-N/liter) (cont.)

. To .	6.5	9.9	6.7	6.8	6.9	7.0	7:1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	6.2	8.0	α. 1.	8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.9	0.6
30 and above	16.6	16.1	15.6	15.0	14.3	13.4	12.6	11.6	10.6	5	8.5	7.4	6.5	5.6	4.8	4.0	3.3	2.7	2.5	1.80	1.49	1.24	50.	0.00	0.77	0.68
\$2	17.8	17.3	16.7	16.1	15.3	14.4	13.4	12.4	11.3	10.2	9.1	8.0	6.9	9.0	5.1	4.3	M S	2.8	2.3	1.90	1.57	1.31	1.10	0.94	0.81	0.70
82 73	19.1	18.5	17.9	17.2	16.4	15.4	14.4	13.3	12.0	10.9	7.6	8.5	7.4	4.9	5.4	4.6	3.7	3.0	2.5	2.0	1.66	1.38	1.16	0.98	0.84	0.73
27	23	20	19.2	18.4	17.5	16.5	15.4	14.2	12.9	11.6	10.4	9.1	7.9	6.8	5.8	4.9	4.0	3.2	5.6	2.1	1.77	1.46	1.22	1.03	0.88	0.76
%	22	73	2	20	18.8	17.7	16.5	15.2	13.9	12.5	11.1	9.8	8.5	7.3	6.2	5.	4.2	3.4	2.8	2.3	1.86	1.55	1.29	1.09	0.93	0.80
ю	ສ	23	22	23	20	19.0	17.7	16.3	14.9	13.4	11.9	10.5	9.1	7.8	9.9	5.6	4.5	3.7	3.0	5.4	1.99	1.63	1.36	1.14	0.97	0.83
72																		3.6								
23	24	23	22	<u>ک</u>	20	19 1	17.8	16.4	6 7	13.4	11.9	10.4	9.1	7.8	9.9	5.6	4.5	3.6	5.9	5.4	1.95	1.60	1.33	-,	0.93	0.80
22	54	23	22	7	20	19.1	17.8	16.4	15.0	13.5	12.0	10.4	6	7.8	9.9	9.6	4.5	3.6	5.0	2.4	1.93	1.58	1.31	1.09	0.92	0.78
21	7.7	23	22	2	20	19.2	17.9	16.5	15.0	13.5	12.0	10.5	9.1	7.8	9.9	2.6	,	3.6	5.9	2.4	1.92	1.58	1.30	1.08	0.91	0.77
50	54	23	25	23	20	19.2	17.9	16.5	15.0	13.5	12.0	10.5	٠.	7.8	9.9	2.6	4.5	3.6	5.9	2.4	1.92	1.57	29	1.07	0.89	0.75
etsius 19	74	23	22	22	77	19.3	18.0	16.6	15.1	13.6	12.1	10.5	٥.1	7.8	6.6	5,6	4.5	3.6	2.9	2.4	1.91	1.56	1.28	1.06	0.88	0.74
in Degrees Celsius 17 18 19																		3.6								
in Deg 17	*	23	23	22	77	ನ	18.2	16.7	15.2	13.7	12.2	10.6	2.6	۷.	6.7	5.6	6.4	3.6	5.9	2.3	1.90	1.55	1.26	7.04	0.86	0.72
rature 16	74	54	స	22	23	20	18.3	16.8	15.3	13.8	12.2	10.7	9.2	7.9	6.7	5.6	2.5	3.6	5.9	2.3	1.90	1.54	1.26	1.03	0.85	0.71
Temper 15	77	54	23	22	2	20	18.4	16.9	15.4	13.8	12.3	10.8	9.3	8.0	6.7	5.7	4.5	3.6	2.9	2.4	1.90	1.54	1.25	1.03	0.85	0.70
₹	6.5	6.6	6.7	6.8	6.9	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9	8.0		8.2	8.3	8.4	8.5	8.6	8.7	8.8	9.9	0.6

pH and temperature are field measurements taken at the same time and location as the water samples destined for the laboratory analysis of ammonia. If field measured pH and/or temperature values fall between the A&WW Acute Total Ammonia tabular values, round field measured values according to standard scientific rounding procedures to nearest tabular value to determine the ammonia standard. ស់

Appendix B Abbreviations

River Basins (Correspond to State Water Quality Assessment Report)

В		\mathbf{w}	************************************
Bill Williams		N/	
C Colorado Mainstem (includes Red I	Lake)	M	-
L Little Colorado	•	С	=
M ·		G	***
Middle Gila (includes Gila River			
River below Granite	Reef Dam and Phoenix area wate	rbodies M	i)
Rios de Mexico (includes Rio Mago	dalena, Rio Sonoita, and Rio Yao	"	ns)
S	· · · · · · · · · · · · · · · · · · ·	C	É
Santa Cruz		P	
S San Pedro		r	
S		R	=
Salt River (includes Salt River and	tributaries above Granite Reef D		
U Upper Gila (includes Gila River	and tributaries above San Car	G ios Ind	== dian
Reservation)			
V		R	-
Verde River W		Р	==
Wilcox Playa		*	
•			
Designated Uses			
A &	W	С	-
Aquatic & Wildlife coldwater			
A curatio & Wildlife warmwater	W	W	*****
Aquatic & Wildlife warmwater			
A &	\mathbf{w}	e	=
A & Aquatic & Wildlife ephemeral	W	e	=
Aquatic & Wildlife ephemeral A & W	e d	e w	=
Aquatic & Wildlife ephemeral	e d dent water		-
Aquatic & Wildlife ephemeral A & W	e d	w	- =
Aquatic & Wildlife ephemeral A & W Aquatic & Wildlife effluent depend F Full Body Contact P	e d dent water	w	
Aquatic & Wildlife ephemeral A & W Aquatic & Wildlife effluent depend F Full Body Contact P Partial Body Contact	e d dent water B	w C C	- - -
Aquatic & Wildlife ephemeral A & W Aquatic & Wildlife effluent depend F Full Body Contact P Partial Body Contact D	e d dent water B	w C	
Aquatic & Wildlife ephemeral A & W Aquatic & Wildlife effluent depend F Full Body Contact P Partial Body Contact D Domestic Water Source F	e d dent water B	w C C	
Aquatic & Wildlife ephemeral A & W Aquatic & Wildlife effluent depend F Full Body Contact P Partial Body Contact D Domestic Water Source F Fish Consumption	e d dent water B W	w C C S	
Aquatic & Wildlife ephemeral A & W Aquatic & Wildlife effluent depend F Full Body Contact P Partial Body Contact D Domestic Water Source F Fish Consumption A	e d dent water B	w C C	-
Aquatic & Wildlife ephemeral A & W Aquatic & Wildlife effluent depend F Full Body Contact P Partial Body Contact D Domestic Water Source F Fish Consumption	e d dent water B W	w C C S	

Other

U				
Waterbody designated	i as Unique Water			
E	D		w	=
Effluent Dependent V	Vater			
W	W	T	P	=
Wastewater Treatmen	t Plant		•	
k			m ·	=
Kilometers				

Appendix B: Designated Uses of Arizona Water Bodies

BASIN	SEGMENT	LOCATION	A&Wc	A&Ww	A&We	A&Wedw	РВС	PBC	DWS	J.	AgI	AgL
BW	Alamo Lakc	34°14'45"/113°35'00"		A&Ww			PBC			ည		AgL
BW	Big Sandy River	Aquarius & Hualapai Mountains		A&Ww		,	PBC			ည		AgL
BW	Bill Williams River	Buckskin & Rawhide Mountains		A&Ww			PBC			72		AgL
BW	Blue Tank	34°40'14"/112°58'16"		A&Ww			FBC			٦ <u>.</u>		AgL
BW	Boulder Creek	Tributary to Burro Creek	,	A&Ww			FBC			<u>5</u>	Agi	AgL
BW	Burro Creek (U)	Above confluence with Boulder Creek		A&Ww			PBC			<u>ы</u>		AgL
BW	Burro Creek	Below confluence with Boulder Creek		A&Ww			FBC			<u>2</u>		AgĽ
BW	Conger Creek	Tributary to Burro Creck		A&Ww			FBC			Σ.		AgL
BW	Coors Lake	34°36'20"/113°11'25"	·	ለጴሦw			FBC			<u>۲</u>		
Ma	Copper Basin Wash	Headwaters to bottom of perennial reach		A&Ww			FBC			FC		AgL
BW	Copper Basin Wash	Bottom of percunial reach/Skull Valley Wash			A&We	`	•	PBC				AgL
BW	Cottonwood Canyon	Tributary to the Santa Maria River		A&Ww			FBC			£		AgL
BW	Date Creek	Tributary to the Santa Maria River		A&Ww			FBC			5		AgL
BW	Francis Creek (U)	Tributary to Burro Creek		A&Ww			FBC		DWS	22	AgI	AgL
BW	Kirkland Creek	Tributary to Santa Maria River		A&Ww		•	PBC			<u> </u>	₽ PRI	AgL
BW	Knight Creek	Bast of Huatapai Mountains		A&Ww			FBC			윤		AgL
BW	Peeple's Canyon Creek (U)	Tributary to Santa Maria River		A&Ww			FBC			Σ.		AgL
BW	Santa Maria River	Tributary to Alamo Lake		A&Ww			FBC			2	AgI	Agt
ВW	Trout Creek	Tributary to Big Sandy River		A&WW			FBC			2		AgL
δ	A-10 Backwater	33°31'38"/114°33'19"		A&Ww			FBC			<u>ي</u>		
₹	A-7 Backwater	33°34'39"/114°39'42"		A&Ww			FBC		-	5		
CM	Adobe Lake	33°02'39"/114°39'19"		A&Ww			FBC			ည္		
CM	Agate Creck	Grand Canyon	A&Wc				FBC			5		
Œ C	Big Springs Tank	36°36'10"/112°20'58"	A&Wc				FBC			22		AgL
CM	Boucher Creek	Grand Canyon	A&Wc				FBC			낊		

Appendix B: Designated Uses of Arizona Water Bodies

CM Bright Angel Creek Grand Canyon CM Bright Angel Wash (BDW) South Rim WWTP outfalf to Coconino Wash CM Bull Rush Canyon Wash Tributary to Kanab Creek CM Cataract Creek Headwaters to Santa Fe Reservoir CM Cataract Creek (BDW) Williams WWTP outfall to 1 km downstream CM Cataract Creek (BDW) Below 1 km downstream of Williams WWTP outfall to confluence of Red Lake Wash CM Cataract Creek Red Lake Wash to Havasupal Reservation CM Cataract Lake 35°15'05"/112°12'58" CM Cibola Lake 33°14'20"/114°40'16" CM Cibola Lake 33°14'20"/114°40'16" CM Cibola Lake 33°14'20"/114°40'16" CM Cibola Lake 33°14'20"/114°40'16" CM Cibola Lake North rim, Grand Canyon CM Clear Creek North rim, Grand Canyon CM Clear Lake 33°01'57"/114°31'26" CM Clear Lake 33°01'57"/114°31'20" CM Colorado River Take Powell to Topock CM Chocado River <th>falf to Coconino Wash ek e Reservoir Williams WWTP outfall It to 1 km downstream m of Williams WWTP Red Lake Wash usupai Reservation</th> <th>A&WC A&WC A&WC A&WC</th> <th>A&Ww A&Ww</th> <th>A&We</th> <th>A&Wedw</th> <th>FBC</th> <th>PBC</th> <th></th> <th><u>ي</u></th> <th></th> <th></th>	falf to Coconino Wash ek e Reservoir Williams WWTP outfall It to 1 km downstream m of Williams WWTP Red Lake Wash usupai Reservation	A&WC A&WC A&WC A&WC	A&Ww A&Ww	A&We	A&Wedw	FBC	PBC		<u>ي</u>		
Bright Angel Wash (BDW) South Ri Bull Rush Canyon Wash Tributary Cataract Creek Santa Fe Cataract Creek (BDW) Williams Cataract Creek Below 1 Cataract Creek Red Lake Cataract Creek Red Lake Cataract Creek Grand Ca Cataract Lake 33°14'20 Cibola Lake 33°14'20 Citor Reservoir North rim Clear Lake North rim Colorado River Lake Pow Colorado River Topock it Topock it Topock it	cek e Reservoir Williams WWTP outfall It o 1 km downstream m of Williams WWTP Red Lake Wash asupai Reservation		A&Ww A&Ww	A&We	A&Wedw		PBC			l	
Bull Rush Canyon Wash Tributary Cataract Creek Headwate Cataract Creek (BDW) Williams Cataract Creek Below 1 Cataract Creek Red Lake Cataract Creek Red Lake Cataract Creek Grand Cr Cibola Lake 33°14'20 City Reservoir Asservoir Clear Creek North rim Clear Lake 33°13'57 Colorado River Lake Pow Colorado River Topock it	e Reservoir Williams WWTP outfall It o I km downstream m of Williams WWTP Red Lake Wash asupai Reservation		A&Ww A&Ww	A&We				1			AgL
Cataract Creek Headwate Cataract Creek EDW) Williams Cataract Creek Below 1 outfall to Cataract Creek Red Lake 35°15'05 Cituar Creek Grand Ca 35°15'05 Cituar Creek Grand Ca 31°14'20 City Reservoir 35°13'57 Clear Lake North ritt Clear Lake North ritt Colorado River Lake Pow Colorado River Topock it	Wiltiams WWTP outfall It of 1 km downstream m of Williams WWTP Red Lake Wash sasupai Reservation		A&Ww A&Ww				PBC				
Cataract Creek Santa Fe Cataract Creek (BDW) Williams Cataract Creek Below 1 Cataract Creek Red Lake Cataract Lake 35°15'05 Chuar Creek Grand Ca Cibola Lake 33°14'20 City Reservoir 35°13'57 Clear Creek North rim Clear Lake 133°01'57 Colorado River Lake Pow Colorado River Topock it	Williams WWTP outfall It of km downstream m of Williams WWTP Red Lake Wash sasupai Reservation		A&Ww A&Ww			FBC		DWS	ည	Agi	AgL
Cataract Creek (BDW) Williams Cataract Creek Below 1 outfall to outfall to outfall to outfall to cataract Lake 35°15'05 Chuar Creek Grand Ca Grand Ca Cibola Lake 33°14'20 Cibola Lake 33°14'20 Ciy Reservoir 35°13'57 Clear Creek North rim Clear Lake Colorado River Lake Pow Colorado River Topock it	ll to I km downstream m of Williams WWTP Red Lake Wash asupai Reservation		A&Ww		,	PBC			ъс	AgI	AgL
Cataract Creek Below I outfall to outfall to Cataract Lake 35°15'05 Chuar Creek Grand Ca Grand Ca Grand Ca Gibola Lake 33°14'20 Ciby Reservoir 35°13'57 Clear Creek North rim Ca Grand C	n of Williams WWTP Red Lake Wash asupai Reservation		A&Ww		A&Wedw		PBC				
Cataract Creek Red Lake Cataract Lake 35°15'05' Chuar Creek Grand Ca Ciboh Lake 33°14'20' City Reservoir 35°13'57' Clear Creek North rim Clear Lake 33°01'57' Colorado River Lake Pow Colorado River Topock to	asupai Reservation					РВС	•		нc		AgL
Calaract Lake Ciluar Creek Cibola Lake City Reservoir Clear Creek Cloar Lake Colorado River				A&We			PBC				AgL
Citola Lake Cito Reservoir Citar Creek Clear Creek Clora Lake Colorado River						FBC		DWS	FC		AgL
Cito Reservoir City Reservoir Clear Creek Cloar Lake Colorado River						FBC			FC		
City Reservoir Clear Creek Clear Lake Colorado River			A&Ww			FBC			FC		
Clear Creek Clear Lake Colorado River Colorado River		A&Wc				FBC		DWS	FC		
Clear Lake Colorado River Colorado River		A&Wc				FBC			Э .		
Colorado River Colorado River	.97		A&Ww			FBC			БČ		
Colorado River		A&Wc .				FBC		DWS	ည	Agi	AgL
	Dam		A&Ww			FBC		DWS	<u>بر</u>	Agi	AgL
CM Colorado River Imperial Dam to Mexico	2Xico		A&Ww			PBC			<u>ي</u>	Agi	AgL
CM Cottonwood Creek Tributary to Tuxton Wash	Wash		A&Ww			FBC			PC		AgL
CM Crystal Creek North rim, Grand Canyon		A&Wc				FBC			ည		
CM Deer Creek Grand Canyon		A&Wc				FBC			ည္		
CM Detrital Wash Tributary to Lake Mead	lead			A&We			PBC				
CM Dogtown Reservoir 35°12'40"/112"07'46"		A&Wc				PBC		DWS	<u>ي</u>	Agi	AgL
CM Dragon Creek North rim, Grand Canyon	anyon		A&Ww			PBC			단		
CM Garden Creek Grand Canyon		A&Wc				FBC			ည	•	

Appendix B: Designated Uses of Arizona Water Bodies

BASIN	SEGMENT	LOCATION	A&Wc	A&Ww	A&We	A&Wedw	гвс	ьвс	DWS	- E	Agi	Agt.
2	Gonzalez Lake	35°15'26"//12°12'07"	A&Wc	·			PBC			5	AgI	AgL
3 3	Grand Wash	Tributary to Lake Mead			A&We			PBC				
3 3	Granevine Creek	Grand Canyon	A&Wc				PBC			ည္		
2	Granevine Wash	Tributary to Lake Mead			A&We			PBC				
3	Interin Creek	Grand Canyon	A&Wc				PBC			22		
Š	Hance Creek	Grand Canyon	A&We				PBC			ξ.		
3	Hermit Creek	Grand Canyon	A&Wc				PBC		·	<u>ي</u>		
3	Holy Moses Wash (BDW)	Kingman WWTP outfall to 3 km downstream				A&Wedw		PBC				
3 3	Hom Creek	Grand Canyon	A&Wc				FBC			2	1	
3 3	Hialanai Wash	Tribulary to the Colorado River			A&We			PBC				
3	Hunter's Hole Backwater	32°31'15"/114°48'03"		A&Ww			нвс			22		AgL
3	Imperial Reservoir	32°53'04"/114°27'40"		A&Ww			PBC		DWS	FC	Agl	AgL
3	Island Lake	33°01'52"/114°35'07"		A&Ww			PBC			2		
3	Jacob Lake	36°42'26"/112°13'48"		A&Ww			FBC			잁		
3	Kaihab Lake	35°17'04"/112°09'17"	A&Wc				FBC		DWS	<u>ال</u>	AgI	AgL
3 8	Kanab Creek	Kanab Piateau; northwestern Arizona		A&WW			PBC	-	DWS	F.		AgL
3	Kwagunt Creek	Grand Canyon	A&Wc				PBC			5		
3	Lapina Reservoir	32°51'15"/114°28'38"		A&Ww			FBC		DWS	ည	Agi	AgL
3	Lake Havasu	34°18'15"/114°08'15"		A&Ww			FBC		DWS	5	γβι	AgL
Š	Lake Mead	36*01'00"/114*44'15"	A&Wc				FBC		DWS	ПС	Agi	AgL
3	Lake Mohave	35°11'45"/114°34'00"	A&Wc				FBC		DWS	ည	AgI	AgL
No.	Lake Powell	36°57'00"/111°29'15"	A&Wc			***************************************	FBC		DWS	ಬ	AgI	AgL
8	Lonetree Canyon Creek	Grand Canyon		A&Ww			FBC			ည္		
₹	Martinez Lake	32°58'52"/114°28'23"		A&Ww			FBC			<u>ਨ</u>	Agi	VgL
\}	Matkatamiba Creek	Grand Canyon, South Rim	A&Wc				РВС			FC		

Appendix B: Designated Uses of Arizona Water Bodies

DASIN	SEGMENT	LOCATION	A&Wc	A&Ww	A&We	A&Wedw	FBC	PBC	DWS	FC	Agt	AgL
CM	Mitry Lake	32°49'11"/114°27'41"		A&Ww			FBC			PC		
ĊŴ	Mohave Wash	Tributary to Lake Havasu			A&We			PBC				
CM	Monument Creek	Grand Canyon		A&Ww			PBC			ည		
CM	Nankoweap Creek	Grand Canyon	A&Wc				FBC			Σ		
СМ	National Canyon Creek	South rim, Grand Canyon	A&Wc				FBC			FC		
C₩	North Canyon Creek	Grand Canyon	A&Wc				PBC			FC		
C≪	. Nortons Lake	33°02'35"/114°37'58"		A&Ww			PBC			FC		
CM	Olo Creek	South rim, Grand Canyon		A&Ww			FBC			FC .		
CM	Paria River	Paria Plateau, Northem AZ Border	A&Wc				FBC			FC		
СМ	Phantom Creek	North rim, Grand Canyon	A&Wc				FBC			FC		
СМ	Pipe Creek	Grand Canyon	A&Wc				FBC			Ω		
₩	Pretty Water Lake	33°19'45"/114°42'15"		A&Ww			FBC			PC		
₩	Quigley Ponds	32°43'00"/113°58'00"		A&Ww		•	PBC			FC		
CM	Red Canyon Creek	Grand Canyon		A&Ww			PBC			FC		
СМ	Red Lake	35°40'00"/114°03'45"		A&Ww			PBC			<u>5</u>		AgL
CM	Redondo Lake	32°44'32"/114°29'02"		A&Ww			PBC			FC		
СМ	Roaring Springs	Headwaters of Roaring Springs Creek	A&Wc				PBC		DWS	<u>ت</u>		
СМ	Roaring Springs Creek	Grand Canyon	A&Wc				PBC			<u>ي</u>		
CM	Rock Canyon	Tributary to Truxton Wash			A&We			PBC				
CM	Royal Arch Creek	Grand Canyon	A&Wc				PBC			FC		
СМ	Ruby Creek	Grand Canyon	A&Wc				FBC			FC		
СМ	Russell Tank	34°52'22"/111°52'44"	A&Wc				FBC			<u>5</u>		AgL
МЭ	Sacramento Wash	Tributary to Topock Marsh			A&We			PBC				
СМ	Saddle Canyon Creek	West rim, Marble Canyon	A&Wc				FBC			ည		
СМ	Santa Fe Reservoir	35°14'26"/112°11'04"	A&Wc				FBC		DWS	5. 2.		

Appendix B: Designated Uses of Arizona Water Bodies

BASIN	SEGMENT	LOCATION	A&Wc	A&Ww	A&We	A&Wedw	FBC	PBC	DWS	J.	AgI	AgL
240	Counties Creek	Grand Canyon	A&Wc				FBC			2		
3 8	Saumil Canyon	Headwaters to abandoned gaging station		A&WW			FBC			22		AgL
5 5	Sammil Canyon	Below abandoned gaging station			A&We			PBC				AgL
3 8	Samuline Creek	Grand Canyon	A&Wc				FBC			<u>단</u>		
3 3	Shinning Creek	North rim, Grand Canyon	A&Wc				FBC			<u>ي</u>		
3	Short Creek	Tributary to the Virgin River			A&We			PBC				
3	Slate Creok	Grand Canyon	A&Wc				FBC			2		
3	Spring Canvon Creek	Grand Canyon	A&Wc				FBC			5		
3	Stone Creek	Grand Canyon	A&Wc				FBC			5.		
5 8	Tareats Creek	North rim, Grand Canyon	A&Wc				FBC			55		
} {	Thurder River	Tribulary to Tapeats Creek	A&Wc				FBC			<u>ي</u>		
3	Tonnot March	34°47'30"/114°31'00"		A&Ww			FBC		DWS	5F	AgI	AgL
3	Trail Canon Creek	Grand Canyon	A&Wc				FIBC			<u>ار</u>		
	Transact Course (BDW)	North Rim WWTP outfall to 1 km downstream				A&Wedw		PBC				
3 3	Trevertine Palls Creek	Grand Canyon	A&Wc				PBC			ည		
3	Truxton Wash	Tributary to Red Lake			A&We			PBC				
S	Turquoise Creek	Grand Canyon	A&Wc				PBC			J.		
CM	Unkar Creek	North rim, Grand Canyon	A&Wc				FBC			<u>υ</u>		
Ğ	Vasey's Paradise	Grand Canyon	A&Wc				FBC			ည		
₩5	Virgin River	NW of Virgin Mins; NW Arizona Border		A&Ww			FBC			<u>2</u>	Agi	Agt
8	Vishnu Creek	North rim, Grand Canyon	A&Wc				PBC			7 <u>.</u>		
₩ _D	Warm Springs Creek	Grand Canyon		A&Ww			FBC		***************************************	<u>Б</u>		
₹	Wellton Canal	Yuma Canal System							DWS		γĝι	Agl,
₹	Wellton Ponds			۸&Ww			FBC			ភ		Ī
Ğ	West Calaract Creek	Tributary to Cataract Lake	A&Wc				T.H.C			5		Agt.

Appendix B: Designated Uses of Arizona Water Bodies

		Grand Canyon In Kingman Tributary to Truxton Wash		WW&AA		202		_		Ļ
		In Kingman Tributary to Truxton Wash				2	1	-	FG	_
		Tributary to Truxton Wash		A&Ww		PBC		_	<u>ار</u>	
		-		A&Ww	-	FBC			ಬ	AgL
		32°50'22"/114°26'25"		Λ&Ww		FBC		_	FC	
		Above municipal water treatment plant intakes	ì				ρ	DWS	Agi	l Agl.
		Below municipal water treatment plant intakes and all drains	·		-				Agi	I AgL
		35°02'17"/111°22'13"		A&Ww		FBC			<u>ت</u>	AgL
	,,	35°01'10"/111°24'09"	Λ&Wc		,	FBC			FC Agi	AgL
		34°00'00"/109°20'41"		Λ&Ww		FBC) de a	FC Agi	AgL
		Tributary to Nutrioso Creek	A&Wc			FBC		. **	<u>ي</u> ر	AgL
		Tributary to Bast Clear Creek	A&Wc			FBC		-	ಬ್	AgL
_		Tributary to Blue Ridge Reservoir	A&Wc			FBC		jring	J.	AgL
LC Bear Canyon Creek		Tributary to Willow Creek	A&Wc			PBC		32.	JC L	AgL
LC Bear Canyon Lake	6	34°24'10"/111°00'09"	A&Wc			FBC			FC Agi	AgL
LC Becker Lake	6-1	34°09'16"/109°18'18"	A&Wc			FBC		14	FC	AgL
LC Billy Creek	E-1	Tributary to Show Low Creek	A&Wc			FBC		<u>ьт.</u>	J.	AgL
LC Black Canyon Creek		Tributary to Chevelon Creek	A&Wc			PBC		<u> </u>	PC Agi	AgL
I.C Black Canyon Lake	6	34°19'50"/110°41'59"	A&Wc			PBC		DWS F	FC Agi	AgL
LC Blue Ridge Reservoir	9	34°33'15"/111°11'01"	A&Wc			FBC		17.	FC Agi	AgL
LC Boot Lake	3	34°58'53"/111°20'00"		A&Ww		FBC	_	<u> </u>	FC	AgL
LC Buck Springs Canyon Creek		Tributary to Leonard Canyon Creek	A&Wc			PBC		-	FG.	AgL
LC Bunch Reservoir	3	34°02'12"/109°26'45"	A&Wc			FBC		<u> </u>	FC Agi	AgL
LC Camillo Tank	3	34°55'03"/111°22'41"		A&Ww		FBC		<u>"</u>	FC	AgL
L.C Camero Lake	3	34°06'57"/109°31'39"	A&Wc			TBC		-	7.C	AgL

Appendix B: Designated Uses of Arizona Water Bodies

BASIN	SEGMENT	LOCATION	A&Wc	A&Ww	A&We	A&Wedw	FBC	PBC	DWS	FC	γβl	AgL
21	Chevelon Canyon Lake	34°30'39"/110°49'28"	A&Wc				FBC			J.	ΛgΙ	AgL
23	Chevelon Creek	Mogolion Piateau	A&Wc				FBC			FC	Λg1	AgL
27	Chevelon Creek, West Pork	Tributary to Chevelon Creek	A&Wc				FBC			FC		AgL
23	Chilson Tank	34°51'46"/111°22'52"		A&Ww			PBC			Σ.		AgL
ន	Cholla Lake	34°56′00″/110°17′12″		A&Ww			PBC		•	7.		AgL
23	Clear Creek	Mogotion Plateau; east of Winslow	A&Wc				FBC		DWS	J.		VgL
23	Clear Creek Reservoir	34°58'10"/110°38'33"	Λ&Wc				FBC		DWS	77	Agi	Agt
23	Coconino Reservoir	35°00'16"/111°23'52"	A&Wc				PBC			ည္	Agi	AgL
ដ	Colter Creek	Tributary to Nutrioso Creek ·	A&Wc				FBC			FC		AgL
27	Colter Reservoir	33°56'40"/109°28'50"	A&Wc				FBC			22		AgL
23	Concho Creek	Tributary to Carrizo Wash		A&Ww			PBC			FC		AgL
21	Concho Lake	34°26'36"/109°37'40"	A&Wc				FBC			PC	Agl	AgL
1.0	Cow Lake	34°53'19"/111°18'49"		A&Ww			FBC			5		AgL
5.	Coyote Creek	Tributary to Upper Little Colorado	A&Wc				PBC			<u>ي</u> ر	Agi	AgL
υC	Crisis Lake (Snake Tank #2)	34°47'51"//11°17'01"		A&Ww			FBC			<u>ٿ</u>		AgL.
21	Dane Canyon Creek	Tributary to Barbershop Canyon Creek	A&Wc				FBC			FC		AgL
27	Daves Tank	34°44'23"/111°17'08"		A&Ww			FBC			5		AgL
27	Deep Lake	35°03'30"/111°24'55"		A&Ww			FBC			FC		AgL
ន	Dry Lake (BDW)	34°37'52"/110°23'40"		***************************************		A&Wedw						
23	Ducksnest Lake	34°59°15″/111°23°53″		A&Ww			FBC			٦ .		Agt
27	East Clear Creek	Tributary to Clear Creek Reservoir	A&Wc				FBC			5	Λg1	AgL
51	Bilis Wiltbank Reservoir	34°05'25"/109°28'24"		A&Ww			FBC			л П	Agi	AgL
ΣŢ	Pish Creek	Tributary to Little Colorado	A&Wc				FBC			J.		
273	Fool's Hollow Lake	34°16'14"/110°04'15"	A&Wc				FBC			2		AgL.
rc	General Springs Creek	Tributary to Blue Ridge Reservoir	A&Wc				FBC	_	7	FC.	\dashv	AgL
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Appendix B: Designated Uses of Arizona Water Bodies

BASIN	SEGMENT	LOCATION	A&We	A&Ww	A&We	A&Wedw	PBC	PBC	DWS	FC	Agi	AgL
CC	Geneva Reservoir	34°01'44"/109°31'44"		A&Ww			PBC			FC		AgL
22	Hall Creek	Tributary to White Mountain Reservoir	A&Wc				FBC			FC	ΛgΙ	ΛgL
27	Hart Canyon Creek	Tributary to Willow Creek	A&Wc				PBC			ъс		AgL
27	Hay Lake	34°00'11"/109°25'55"		A&Ww			FBC			FC		AgL
27	Hog Wallow Lake	33°58'57"/109°25'38"	ŕ	A&Ww		•	FBC			ည	Agi	Agi
27	Horse Lake	35°03'53"/111°27'51"	,	A&Ww			FBC			5 S		AgL
rc	Huffer Tank	34°27'45"/111°23'09"		A&Ww			FBC			Σ.		AgL
rc	Hulsey Creek	Tributary to Nutrioso Creek	A&Wc				FBC			윤		
23	Huisey Lake	33°55'57"/109°09'33"	A&Wc				Эвы			FC		
27	Indian Lake	35°00'38"/111°22'37"		A&Ww			FBC			ric		AgL
. 23	Jack's Canyon Creek	Tributary to the Little Colorado		A&Ww			FBC			ř.	Agl	AgL
27	Jarvis Lake	33°58'59"/109°12'33"		A&Ww			FBC			J.		AgL
្ន	Kinnikínick Lake	34°53'52"/111°18'20"	A&Wc				FBC			Ji.C		AgL
27	Knoll Lake	34°25'38"/111°05'10"	A&Wc				FBC			5F		AgL
27	Lake Humphreys (EDW)	35°11'51"/111°35'16"				A&Wedw		PBC			-	
27	Lake Mary, Lower	35°06′22″/111°34′20″	A&Wc				FBC			Ω.		AgL
. 23	Lake Mary, Upper	35°04'45"/111°31'56"	A&Wc				FBC		DWS	5		Agi
27	Lake of the Woods	34°09'39"/109°58'45"	A&Wc				PBC			PC	AgI	AgL
2,1	Lee Valley Creek	Tributary to Colter Reservoir	A&Wc				FBC			. D.I		AgL
21	Lee Valley Reservoir	33°56'30"/109°30'00"	A&Wc				FBC			ည	AgI	AgL
ដ	Leonard Canyon Creek	Tributary to Bast Clear Creek	A&Wc				FBC			<u>ည</u>		AgL
23	Leonard Canyon Creek, Bast Pork	Tributary to Leonard Canyon Creek	A&Wc				PBC			ည		AgL
27	Leonard Canyon Creek, Middle Fork	Tributary to Leonard Canyon, West Fork	A&Wc				TBC			FC		AgL
27	Leonard Canyon Creck, West Fork	Tributary to Leonard Canyon, East Fork	A&Wc				FBC			ъ.		AgL
υC	Lily Creek	Escudilla Mountain	A&Wc				FBC			آ		AgL

Appendix B: Designated Uses of Arizona Water Bodles

	TANTA	IOCATION	A&Wc	A&Ww	A&We	A&Wedw	FBC	PBC	DWS	FC	Agl	AgL
NASIR	SEGMENT		ARWC				FBC			FC	Agi	AgL
23	Little Cotorado River	Above Lyman Keservoif	2112				9	T	2711/0	5	104	lok
27	Little Colorado River	Below Lyman Reservoir		A&Ww			E E		C M C	2	200	ugr.
[5	1 title Colorado Biver. Bast Pork	White Mountains	A&Wc				BC	1		Σ.	Αgι	AgL
3	Latte Colorado Attento Courte Borte	White Mountains	A&Wc				PBC			FC	AgI	AgL
3	Little Cotorado River, Sount Pora	Polymore Construent Serings: White Mountains	A&Wc				FBC			FC	AgI	AgL
21	Little Colorado River, West Fork	DEION CONCERNICA SPINOS NICES	Λ Θ.Μ.				FBC			FC		
27	Little Colorado Rv, West Fork (U)	Above Government Springs; White Mountains	ACTIC				2 62			,,,,,	Aol	
1,0	Little George Reservoir	34°00'37"/109°19'15"		A&Ww			Jac.			2 1		7
10	Litte Monnon Lake	34*17*00"/109*58*03"		A&Ww			FBC			ပ္ရ	Agi	Agr
2	Titte Ortega Lake	34°22'45"/109°40'00"	A&Ww				FBC			ည		
3 5	Tong lake Lower	34°46'45"/111°12'00"	A&Wc				FBC			잂	Agi	AgL
3 5	Tone Take Times	35°00'00"/111°21'00"		A&Ww			PBC			Σ <u>.</u>		AgL
3	Edig Lane, Oppor		A&Wc				FBC			FC		AgL
3 :	Long toni tank	35012:04"/ 034:07"				A&Wedw		PBC			,	
3 5	Lower Wallitt Canyon Law (22.77)	34-21:30"/109-21:30"	'A&Wc			-	FBC			FC	Agi	AgL
3 5	Manie Creat	Escudilla Mountain	A&Wc				FBC			5	Agl	AgL
3 :	Wante Circa	35°07'10"/111°32'01"	A&Wc				FBC			ಸ		AgL
3 5	Walshigh Land	Anache-Sitereaves National Porest	A&Wc				PBC			J.	AgI	AgL
: اد	Menay resuren	Tributary to Barbershop Canyon Creek	A&Wc				PBC			5		AgL
ָ ב	Median Diaw Cityan	34°01'57"/109°21'25"	A&Wc				FBC			5	Agi	AgL
ي ا	Mile Creek	Tribulary to Hulsey Creek	A&Wc				FBC			7 <u>C</u>		
3 2	Miller Canvon Creek	Tributary to Bast Clear Creek	A&Wc				PBC			E.		Agr
ع اد	Miller Canyon Creek, Bast Fork	Tributary to Miller Canyon Creek	A&Wc				FBC			E.		AgL
2	Mineral Creek	Near Vernon, Sitgreaves National Forest	A&Wc				PBC			<u>ي</u>	Agi	AgL
21	Mormon Lake	34°56'40"/111°27'10"	A&Wc				E BC		DWS	ည္	AgI	AgL
2	Morton Lake	34°53'36"/111°17'39"	A&Wc				FBC			FG.		AgL
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Appendix B: Designated Uses of Arizona Water Bodies

4.7111.21'18" A&Ww A&Wedw PBC PBC 2.7100.92'12" A&Wc A&Wcdw PBC PBC 2.7100.92'12" A&Wc A&Wc PBC PBC 2.7100.91'13" A&Wc A&Wc PBC PBC 2.7100.91'13" A&Wc A&Wc PBC PBC 3 to the Little Coloratio A&Wc A&Wc PBC PBC 9 to Dy Lake A&Wc A&Wc PBC PBC PBC 9 to Dy Lake A&Wc A&Wc PBC PBC PBC 9 to Dy Lake A&Wc A&Wc PBC PBC PBC 6 '1110-201'17" A&Wc A&Wc PBC PBC PBC 6 '1110-201'17" A&Wc A&Wc PBC PBC PBC PBC 6 '1110-201'17" A&Wc A&Wc A&Wc PBC PBC PBC 1.1010-204'16" A&Wc A&Wc PBC PBC PBC PBC 1.1010-204'16"	BASIN	SEGMENT	LOCATION	A&Wc	A&Ww	A&We	A&Wedw	PBC	PBC	DWS	J.	AgI	AgL
Ned Lake (EDV) 32°17'18'110'03'20'* A&We A&We PBC PBC Nedron Reservoir 34°07'17'109'11'18'* A&We A&We PBC PBC PBC Nortion Reservoir 34°07'97'109'31'21' A&We A&We PBC PBC PBC Nutrion Creek Tributany to the Little Colorado A&We A&We PBC PBC PBC Pind Tank Tributany to the Little Colorado A&We A&We PBC PBC PBC Pind Tank Tributany to the Little Colorado A&We A&We PBC PBC PBC Pind Lake Tributany to the Little Colorado A&We A&We PBC PBC PBC Pontet Creek Tributany to the Little Colorado A&We A&We PBC PBC PBC Pontet Lake 34°07'04'111'200'21' A&We A&We PBC PBC PBC Pontet Lake 34°07'04'111'200'21' A&We A&We PBC PBC PBC Patrioti Lake 34°07'04'111'	27	Mud Lake	34°55'24"/111°21'18"		A&Ww			FBC			FC		AgL
Notion Reservoir 34'03'127'/109'11'18** A&We PBC PBC Notion Reservoir 34'03'577//109'31'21* A&We PBC PBC Notion Reservoir Tributary to the Lidite Colorado A&We PBC PBC Paddy Creek Tributary to Day Lake A&We PBC PBC Pinenit Park Weal Tributary to Day Lake A&We A&We PBC Pinenit Park Weal Tributary to Nutrieso Creek A&We A&We PBC PBC Pinenit Park Weal Tributary to Nutrieso Creek A&We A&We PBC PBC Pinenit Park Weal Tributary to Nutrieso Creek A&We A&We PBC PBC Ponter Creek Tributary to All Life Colorado A&We A&We PBC PBC Part Lake Tributary to All Life Colorado A&We A&We PBC PBC Rainbow Lake 34'90'90'91'109'-90'10' A&We PBC PBC PBC Rain Boervoir Ayeo Page (Weal) AARWe AARWe PBC PBC	ដ	Ned Lake (EDW)	32°17'18"/110°03'20"				A&Wedw		PBC				
Nonton Reservoir 34°03°57′1009°31°21° A&We A&We FBC ** PBC ** PBC ** PBC ** PBC ** ** ** ** PBC ** *	27	Nelson Reservoir	34°03'12"/109°11'18"	A&Wc				FBC			ъс	AgI	AgL
Nutritions Creek Trightang to the Little Colorado A&We PBC FBC Paddy Creek Trightang to Day Lake A&We A&We PBC PBC Phoenix Park Wash Trightang to Day Lake A&We A&We PBC PBC Pine Tank 34*46*49*/111*7177* A&We A&We PBC PBC PBC Pool Cornel Lake 34*18*06*/110*0147* A&We A&We PBC PBC PBC Pool Cornel Lake 34*27*44*/111*20*42* A&We A&We PBC PBC PBC Pool Cornel Lake 34*27*44*/11*20*42* A&We A&We PBC PBC PBC Patter Creek 34*27*44*/11*20*42* A&We A&We PBC PBC PBC Patter Creek 34*27*44*/11*20*2* A&We A&We PBC PBC PBC Rainbow Lake 34*09*09*10** A&We A&We PBC PBC PBC Rainbow Lake 34*09*09*10** A&We A&We A&We PBC PB	วา	Norton Reservoir	34°03'57"/109°31'21"		A&Ww			FBC			PC		AgL
Pack Ceck Tributary to Natribaso Creek A&We PBC PBC Pincenix Park Wast Tributary to Dy Lake A&We PBC PBC PBC Pince Tank 34*46*49*111*17*** A&We A&We PBC PBC PBC Pond Cornal Lake 33*58*16*1109*24*53** A&We A&We PBC PBC PBC Pond Cornal Lake 34*10*110*20*42** A&We A&We PBC PBC PBC Pond Cornal Lake 34*07*47*111*20*42** A&We A&We PBC PBC PBC Park Cheek 7*10*10*24*53** A&We A&We PBC PBC PBC Park Cheek 34*07*47*11**20*42** A&We A&We PBC PBC PBC Radiou Lake 34*09*02**109**50*1** A&We A&We PBC PBC PBC Ragian Reservoir Tributary to the Little Colorado A&We A&We PBC PBC PBC Rogers Reservoir Thibutary to Martido Ortek Tributary to Natido Ortek A&W	27	Nutrioso Creek	Tributary to the Little Colorado	A&Wc				FBC			FC	ΛgΙ	AgL
Pincenix Pank Wash Tributiary to Dry Lake A&Ww PBC PBC PBC Pincenix Pank Wash 34*46/497/111*17*17** A&Ww A&Ww PBC PBC PBC Ponte Lake 31*38*16/190*24*33* A&Wc A&Wc PBC PBC PBC Ponte Corel Lake 31*38*16/190*24*33* A&Wc A&Wc PBC PBC PBC Ponte Corel Lake 31*27*44*1111*20*42** A&Wc A&Wc PBC PBC PBC Ponte Lake 34*01*31*109*04*16** A&Wc A&Wc PBC PBC PBC Rainbow Lake 34*019*03*1109*29*01** A&Wc A&Wc PBC PBC PBC Reagan Reservoir Apackers Reservoir Apackers Reservoir Apackers AAA AAA AAA BC PBC	27	Paddy Creek	Tributary to Nutrioso Creek	Λ&Wc				PBC			FC		
Pintal Lake (EDW) 34*46*49"/ILE*1717" A&Ww PA&Wed PBC PBC Pondro Lake 33*38*16"/1009*147" A&Wo A&Wo PBC PBC PBC Pondro Lake Tributary to Show Low Creek A&Wo A&Wo PBC PBC PBC Pondro Lake 34*0734/111*2042" A&Wo A&Wo PBC PBC PBC Pondro Lake 34*0734/111*2042" A&Wo A&Wo PBC PBC PBC Patt Lake Pratt Lake A*2744/111*2042" A&Wo A&Wo PBC PBC PBC Rainbow Lake Phatele-Sligeaves National Porest A&Wo A&Wo PBC PBC PBC Rio de Flag (BDW) Rio e Flag (BDW) A&Wo A&Wo PBC PBC PBC Rio de Flag (BDW) San Fancisco Wash A&Wo A&Wo PBC PBC PBC Roders Reservoir Tributary to Nutricso Creek A&Wo A&Wo PBC PBC PBC Raser Roservoir 33*59*21*109*20*10**<	2	Phoenix Park Wash	Tributary to Dry Lake			A&We			PBC				
Pond Lake GARWA A&WA PBC PBC <t< td=""><td>រុ</td><td>Pine Tank</td><td>34°46'49"/1111°17'17"</td><td></td><td>A&Ww</td><td></td><td></td><td>FBC</td><td></td><td></td><td>FC</td><td></td><td>AgL</td></t<>	រុ	Pine Tank	34°46'49"/1111°17'17"		A&Ww			FBC			FC		AgL
Pool Coural Lake 3738 i s '17109' 24'33" A&We PBC FBC FBC PBC Porter Creck Tributaty to Show Low Creek A&We A&We FBC FBC PBC	1.0	Pintali Lake (BDW)	34°18'06"/110°01'17"				A&Wedw		PBC				
Pointer Creck Tribulary to Show Low Creek A&Wc PER FBC PER Pointo Lake 34°27'44"/111"20'42" A&Wc PER FBC PER Prait Lake 34°01"31"/109"04"/16" A&Wc PER FBC DWS Rainbow Lake 34°01"31"/109"04"/16" A&Wc PER FBC DWS Reagan Reservoir Apache-Sigreaves National Forest A&Wc PA FBC PER River Reservoir Apache-Sigreaves National Forest A&Wc PA PA PBC PBC River Reservoir 34°020"/109"/26"/109"/26"/109"/26"/109"/26"/109"/26"/109"/26"//109"/26"//109"/26"//////////////////////////////////	21	Pool Corral Lake	33°58'16"/109°24'53"		A&Ww			FBC			FC	Ag1	AgL
Pointo Lake 34°27'44'1111°20'42" A&Wc PBC PBC PBC Pratt Lake 34°01'31"/109°04'16" A&Wc PBC PBC DWS Puerco River Tributary to the Little Colorado A&Wc PBC PBC DWS Rainbow Lake 34°01'31"/109°50'1" A&Wc A&Wc PBC PBC PBC Reagan Reservoir Apache-Sitgreaves National Porest A&Wc A&Wc PBC PBC PBC River Reservoir San Fancisco Wash A&Wc A&Wc PBC PBC PBC Rudd Creek Tributary to Nutrioso Creek A&Wc A&Wc PBC PBC PBC Russel Reservoir 33°55'19'1109°10'11'' A&Wc A&Wc PBC PBC PBC Sani Salvador Reservoir 33°55'11'109°10'11'' A&Wc A&Wc PBC PBC PBC Sani Salvador Reservoir 33°55'11'109°10'11'' A&Wc A&Wc PBC PBC PBC PBC Sool Reservoir 33°55'1''109°10'''' A&	rc	Porter Creek	Tributary to Show Low Creek	A&Wc				FBC	,		FC		
Prail Lake 34*01'31'109°04'16" A&Wc PBC PBC DWS Ruetco River Tributary to the Little Colorado A&Wc PBC PBC DWS Reagan Reservoir Apache-Sligreaves National Porest Apache-Sligreaves National Porest A&Wc PBC PBC PBC Rio de Filag (EDW) Flaggardf WWTP outfall to the confluence with San Francisco, Wash A&Wc A&Wc PBC PBC PBC River Reservoir 33*58*30"1109"16"18" A&Wc A&Wc PBC PBC <td< td=""><td>27</td><td>Pointo Lake</td><td>34°27'44"/111°20'42"</td><td>A&Wc</td><td></td><td></td><td></td><td>PBC</td><td></td><td></td><td>FC</td><td></td><td>AgL</td></td<>	27	Pointo Lake	34°27'44"/111°20'42"	A&Wc				PBC			FC		AgL
Reagan Reservoir Arkuve Arkuve FBC DWS Reinbow Lake 34°09'03"/109°59'01" Arkuve FBC PBC PBC Reagan Reservoir Apache-Silgreaves National Porest Arkuve Arkuve PBC PBC Rio de Flag (EDW) Flagstaff WWTP outfall to the confluence with San Francisco Wash Arkuve Arkuved PBC PBC River Reservoir 31°58'30"/109°16'18" Arkuve PBC PBC PBC Rudd Creek Tributary to Nutrioso Creek Arkuve PBC PBC PBC Russel Reservoir 33°59'79"/109°10'10" Arkuve RAkwe PBC PBC PBC San Salvador Reservoir 31°58'11'109°20'10" Arkuve PBC PBC PBC PBC Sant House Lako 31°100''109°20'12" Arkuve PBC	27	Prati Lake	34°01'31"/109°04'16"	A&Wc				FBC			FC		
Rainbow Lake 14°09'03'/109°59'01" A&WC PBC PBC Reagan Reservoir Apache-Sigreaves National Porest A&WW PBC PBC Rio de Flag (EDW) Flagstaff WWIP outfall to the confluence with Sin Francisco Wash A&WC PBC PBC River Reservoir 34°02'01"/109°26'07" A&WC PBC PBC PBC Rudd Creek Tributary to Nutrloso Creek A&WC A&WW PBC PBC Russel Reservoir 33°59'29"/109°20'10" A&WW PBC PBC PBC Salt House Lake 33°59'706"/109°20'12" A&WW PBC PBC PBC Soot Reservoir 33°57'06"/109°20'12" A&WC PA&WW PBC PBC PBC	27	Puerco River	Tributary to the Little Coforado		A&Ww			FBC		DWS	FC	Λgĭ	AgL
Reagan Reservoir Apache-Sitgreaves National Forest A&Ww A&Wedw FBC PBC Rio de Flag (EDW) Flagstaff WWTP outfall to the confluence with San Francisco Wash A&Wc M A&Wedw PBC PBC River Reservoir 33*0201*/109*16*18** A&Wc M A&Ww PBC M Russel Reservoir Tributary to Nutrioso Creek A&Wc M A&Ww BC M San Salvador Reservoir 33*59*29*/109*20*00* A&Ww A&Ww FBC M Sant House Lake 33*57*06*/109*20*12** A&Wc M A&Ww M M Soott Reservoir 33*07*06*/109*20*12** A&Wc M	271	Rainbow Lake	34°09'03"/109°59'01"	A&Wc				PBC			7.0	AgI	AgL
Rio de Flag (EDW) Flagstaff WWTP outfall to the confluence with San Francisco Wash A&Wc A&Wedw PBC River Reservoir 34°02′01″/109°26′07″ A&Wc RBC FBC PBC Rogers Reservoir 33°58°30″/109°16′18″ A&Wc A&Ww FBC PBC Rudd Creek Trifbutary to Nutrioso Creek A&Wc A&Ww FBC PBC San Salvador Reservoir 33°59′29″/109°19′31″ A&Ww A&Ww FBC PBC Satt House Lake 33°57′06″/109°20′12″ A&Ww A&Ww FBC PBC Soott Reservoir 34°10′27″/109°57′27 A&Wc PBC PBC PBC	27	Reagan Reservoir	Apache-Sitgreaves National Forest		Λ&Ww			FBC			ಗ		AgL
River Reservoir 34°02'01"/109°26'07" A&Wc FBC Rogers Reservoir 33°58'30"/109°16'18" A&Wc FBC Rudd Creek Trifbutary to Nutrloso Creek A&Wc PBC Russel Reservoir 33°59'29"/109°20'00" A&Ww FBC San Salvador Reservoir 33°57'06"/109°20'12" A&Ww FBC Solt House Lake 33°57'06"/109°20'12" A&Wc FBC Soott Reservoir 34°10'27"/109°57'27" A&Wc FBC	អ	Río de Flag (EDW)	Fiagstaff WWTP outfall to the confluence with San Francisco Wash				A&Wedw		PBC				
Rogers Reservoir 33°58'30"/100°16'18" A&Ww FBC FBC Rudd Creek Tributary to Nutrioso Creek A&Wc A&Ww FBC PBC Russel Reservoir 33°59'29"/109°20'00" A&Ww FBC PBC Salt House Lake 33°57'06"/109°20'12" A&Ww FBC PBC Scott Reservoir 34°10'27"/109°57'27" A&Wc FBC PBC	27	River Reservoir	34°02'01"/109°26'07"	A&Wc				FBC			FC Di	ΛgΙ	AgL
Rudd Creek Tributary to Nutrioso Creek A&Wc FBC Russel Reservoir 33°59′29″1/09°20′00″ A&Ww FBC San Salvador Reservoir 33°57′06″1/109°19′51″ A&Ww FBC Salt House Lake 33°57′06″1/109°20′12″ A&Wc FBC Scott Reservoir 34°10′27″/109°57′27 A&Wc FBC	רכ	Rogers Reservoir	33°58'30"/109°16'18"		A&Ww			FBC			<u>ي</u>		AgL
Russel Reservoir 33°59'29"/109°20'00" A&Ww FBC San Salvador Reservoir 33°58'51"/109°19'51" A&Ww FBC Salt House Lake 33°57'06"/109°20'12" A&Wv FBC Soott Reservoir 34°10'27"/109°57'27" A&Wc FBC	27	Rudd Creek	Tributary to Nutrioso Creek	A&Wc				PBC			ည		AgL
San Salvador Reservoir 33°58'51"/109°19'51" A&Ww FBC . Salt House Lake 33°57'06"/1009°20'12" A&Wc FBC Scott Reservoir 34°10'27"/109°57'27" A&Wc FBC	27	Russel Reservoir	33*59'29"/109°20'00"		A&Ww			FBC			Σ.	Agi	AgL
Salt House Lake 33°57'06"/109°20'12" A&Wv FBC Soott Reservoir 34°10'27"/109°57'27" A&Wc FBC	21	San Salvador Reservoir	33°58'51"/109°19'51"		A&Ww			FBC	•		<u>ار</u>	Agi	AgL
Scoil Reservoir 34°10'27"1109°57'27" A&Wc FBC	υ	San House Lake	33°57'06"/109°20'12"		A&Ww			FBC			<u>ا</u> ن		AgL
	ρη	Scott Reservoir	34*10'27"/109*57'27"	A&Wc				FBC			2	Λgι	AgL

Appendix B: Designated Uses of Arizona Water Bodies

NISVO	SEGMENT	LOCATION	A&Wc	A&Ww	A&We	A&Wedw	FBC	PBC	SWG	PC	Agl	AgL
27	Show Low Creek	Tributary to Silver Creek	A&Wc				FBC			J.	Agi	AgL
27	Show Low Lake	34°11°25″1109°59′55″	A&Wc				FBC			잂	Agi	AgL
27	Silver Creek	Tributary to Little Colorado; near Holbrook	A&Wc				FBC			<u>ي</u>	Agi	AgL
27	Slade Reservoir	33°59'50"/109°20'00"		A&Ww			PBC			<u>ي</u>	Agi	AgL
IC	Soldiers Annex Lake	34°47'13"/111°13'48"	A&Wc				FBC			F.	Agi	AgL
27	Soldiers Lake	34°47'49"/110°13'59"	A&Wc				PBC			PC	Agi	AgL
7.1	Spaulding Tank	34°30'17"/111°02'03"		A&Ww			FBC			J.		AgL
27	Sponseller Lake	34°14'10"/109°50'42"	Λ&Wc	•			FBC			P.		AgL
23	St Johns Reservoir (Little Reservoir)	34°29°14″/109°21°57″		A&Ww			PBC			<u>ج</u>	AgI	AgL
21	Telephone Lake (BDW)	34°17'35"/110°02'39"				A&Wedw		PBC				
27	Tremaine Lake	34°46'00"/111°14'10"	A&Wc				FBC			<u>ج</u>		AgL
27	Tunnel Reservoir	34°01'51"/109°26'32"	A&Wc				FBC		,	<u>ي</u>	ΛgΙ	AgL
27	Vail Lake	35°05'24"/111°30'42"	A&Wc				PBC			<u>2</u>		AgL
27	Walnut Creek	Tributary to Billy Creek	A&Wc				FBC			<u>ي</u>		Agl
23	Water Canyon Creek	Tributary to the Little Colorado	A&Wc				FBC			<u>ي</u>		AgL
27	Water Canyon Reservoir	34°00′15″/109°20′05″		A&Ww			PBC			J.	AgI	AgL
27	Whale Lake	35°12'32"/111°34'42"				A&Wedw		PBC				
271	Whipple Lake	34°16'47"/109°58'28"		A&Ww			PBC			2		AgL
3	White Mountain Lake	34°21'54"4109°59'38"	A&Wc				FBC			FC	Agi	AgL
ಚ	White Mountain Reservoir	34°00'15"/109°30'48"	A&Wc				TBC			<u>ال</u> ر	Agi	AgL
23	Willow Creek	Tributary to East Clear Creek	A&Wc				rBC			5	-	AgL
27	Willow Springs Canyon Creek	Tributary to Chevelon Creek	A&Wc				FBC			FC	-	AgL
27	Willow Springs Lake	34°18'45"//10°52'34"	A&Wc				FBC			<u>ي</u>	AgI	AgL
ΟŢ	Woodland Reservoir	34°07'36"/109°57'06"	A&Wc				FBC			<u> </u>	Agi	AgL
23	Woods Canyon Creek	Tributary to Chevelon Creek	A&Wc				PBC			ည		AgL
-	The second secon											

Appendix B: Designated Uses of Arizona Water Bodies

BASIN	SEGMENT	LOCATION	A&Wc	A&Ww	A&We	A&Wedw	FRC	PRC	DWG	72	ΔαΪ	ΙΨΨ
23	Woods Canyon Lake	34°20'05"/110°56'35"	A&Wc				PBC		DWS	J _E	Vel	ΑσΙ
္ဌ	Zuni River	Tributary to the Little Colorado		A&Ww			FBC			<u> 1</u> 2	γά	AgL
071	Columbus Wash	Tributary to the Gila River			A&We			PBC				
97	Gila River	Painted Rock Dam to the Colorado River		A&Ww			PBC			J.	AgI	AgL
2	Painted Rock (Borrow Pit) Lake	33°05′00″/113°01′20"		A&Ww			PBC			PC	AgI	AgL
DW	Agua Fria River	Above confluence with unnamed BDW wash receiving treated wastewater from the Prescott Valley WWTP outfall			A&We	-		PBC				AgL
MG	Agua Fria River (BDW)	Below confluence with unnamed wash receiving treated wastewater from the Prescott Valley WWTP outfall to State Route 169				A&Wedw		PBC				AgL
MG	Agua Fria River	State Route 169 to Lake Pleasant		A&Ww			FBC		DWS	F.	AgI	AgL
MG	Agua Fria River	Below Lake Pleasant to the El Mirage WWTP outfall			A&We			PBC				AgL
MG	Agua Fria River (BDW)	El Mirage WWTP outfall to 2 km downstream				A&Wedw		PBC				
DW	Agua Fria River	Below 2 km downstream of the El Mirage WWTP outfall to State Highway 85			A&We			PBC				
MG	Agua Fria River	Below State Highway 85		A&Ww			FBC			٦ <u>.</u>		
MG	Alvord Park Lake	35th Avenue & Baseline Road; Phoenix		A&Ww				PBC		I'C		
MG	Antelope Creek	Tributary to Martinez Creek		Λ&Ww			FBC			FC	AgI	AgL
MG	Arthigton Canal	Above Wilson Avenue										Λgt
MG	Ash Creek	Tributary to the Agua Fria River		A&Ww			FBC			FC	Agi	AgL
MG	Beeliive Tank	32°52'36"/111°02'19"		A&Ww	٠		PBC			FC		AgL
MG	Big Bug Creek	Tributary to the Agua Fria River		A&Ww			FBC			PC	AgI	AgL
MG	Black Canyon Creek	Tributary to the Agua Fria River		A&Ww			FBC			FC	AgI	AgL
MG	Blind Indian Creek	Tributary to the Hassayampa River		A&Ww			РВС			FC	Ag1	AgL
MG	Bonsall Park Lake	59th Avenue & Bethany Home Road; Phoenix		A&Ww				PBC		55		

Appendix B: Designated Uses of Arizona Water Bodies

BASIN	SEGMENT	LOCATION	A&Wc	A&Ww	A&We	A&Wedw	FBC	PBC	DWS	PC	AgI	AgL
υMG	Canal Park Lake	College Avenue & Curry Road; Tempe		A&WW				PBC		FC		
NG PM	Cave Greek	Headwaters to the Cave Creek Dam		. A&Ww	,		FBC			FC		AgL
2 2	Cave Creek	Cave Creek Dam to the Arizona Canal			A&We			PBC				
2 2	Carte Cool	Tributary to the Gila River; west of Hassayampa			A&We			PBC				
OM S	Contouries West Donds	33°55'10"/113°23'05"		A&Ww			FBC			PC		AgL
OM.	Cellicinate main control	Scottstale		A&Ww				PBC		FC	Agi	
E 5	Chapming rain Land	35th Avenue & Duniap; Glendale		A&Ww				DBG		J.	Agl	
S S	Colleg Fair Lane	West Chandler		A&Ww				PBC		PC		
שני שני	Desen meeze Lanc	Dobeon Park: Mess		A&Ww				PBC		FC		
S G	Didacada Dark Faba	Miller Road & Oak Street; Tempe		A&Ww				PBC		FC		
	Grosnin Dark Lake	15th Avenue & Bncanto; Phoenix		A&Ww			·	PBC		뚀	Agi	
2 2	Galena Gutch	Tributary to the Agua Pria River			A&We			PBC			7	AgL
DW BW	Olla Riyer	San Carlos Indian Reservation to the Ashurst- Hayden Dam		A&Ww			FBC			J.	AgI	AgL
MG	Gila River	Ashurst-Hayden Dam to the Florence WWTP outfall			A&We			PBC				AgL
974	Cita Diver (BDW)	Florence WWTP outfalf to Felix Road				A&Wedw		PBC				
200	Gils River	Felix Road to Gila River Indian Reservation			A&We			PBC				AgE
	Gila River (RDW)	Salt River to the Gillespie Dam				A&Wedw		PBC		7.	AgI	AgL
SW SW	Gila River	Gillespie Dam to Painted Rock Dam		A&Ww			FBC			FC	Agi	AgL
MG	Granada Park Lake	6505 North 20th Street; Phoenix	,	A&Ww				PBC		단		
N ON	Groom Creek	Tributary to the Hassayampa River	A&Wc				FBC		DWS	FC		
) E	Hank Raymond Lake	33°50'18"/112°16'07"		A&Ww			PBÇ			FC	νĝι	AgL
<u>8</u>	Hassayampa Lake	34°25'45"/112°25'29"	A&Wc				PBC		DWS	FC		
MG	Hassayampa River	Headwaters to 8 miles south of Wickenburg		A&Ww			FBC			22	Agi	AgL

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BASIN	SEGMENT	LOCATION	A&Wc	A&Ww	A&We	A&Wedw	FBC	PBC	DWS	D _L	Agl	AgL
MG	Hassayampa River	8 miles south of Wickenburg to the Buckeye Irrigation Company Canal			A&We			PBC				AgL
MG	Hassayampa River	Buckeye Irrigation Company canal to the Gila River		A&Ww			วณ			ည်		AgL
MG	Horsethief Lake	34°09'42"/112°17'56"	A&Wc				PBC		DWS	FC		AgL,
MG	Indian Bend Wash	Scottsdale		A&Ww				PBC		FC		
MG	Indian Bend Wash Lakes	Scottsdale		A&Ww				PBC		FC		
MG	Indian School Park Lake	Scottsdale	٠	A&Ww			·	PBC		ည		
MG	Kiwanis Park Lake	6000 South Mill Avenue; Tempe		A&Ww				PBC		F.C	Agi	
МВ	Lake Picasant	33°51'15"/112°16'15"		A&Ww			FBC			FC	AgI	AgL
MG	Lion Canyon	Tributary to Weaver Creek		A&Ww.			PBC			ЯC		
MG	Little Ash Creek	Tributary to Ash Creek; Prescott National Porest		A&Ww			твс	·		FC		AgL
MG	Lynx Creek	Tributary to Lydx Lake		A&Ww			FBC			nc FC		AgL
MG	Lynx Lake	34°31'08"/112°23'05"	A&Wc				PBC		DWS	PC	Agi	AgL
MG	Martinez Creek	Tributary to the Hassayampa River		A&Ww			PBC			FC	AgI	AgL
MG	McKellips Park Lake	Scottsdale		A&Ww		į		PBC		PC	Agi	
MG	Mineral Creek	Tributary to the Gila River		A&Ww			FBC			FC		AgL
MG	Minnehalia Creek	Tributary to the Hassayampa River		A&Ww			FBC			FC		AgL
MG	New River	Headwaters to 1-17		A&Ww			TBC			PC	Agi	AgL
MG	New River	Below I-17			A&We			PBC				AgL
MG	Painted Rock Reservoir	33°04'15"/113°00'30"		A&Ww			FBC			7.T	AgI	AgL
MG	Papago Park Ponds	Galvin Parkway; Phoenix		A&WW				PBC		FC		
MG	Peny Mesa Tank	34°11'03"/112°01'59"		A&WW		·	FBC			FC		AgL
MG	Phoenix Area Canals	Granite Reef Dam to all municipal WTP intakes							DWS		Agi	AgL
MG	Phoenix Area Canals	Below municipal WTP intakes and all other locations									Agi	AgL

Appendix B: Designated Uses of Arizona Water Bodles

DASIN	SEGMENT	LOCATION	A&Wc	A&Ww	A&We	A&Wedw	FBC	PBC	DWS	FC	AgI	AgL
MG	Picacho Reservoir	32°51'17"/111°28'49"		A&Ww			FBC			FC	AgI	AgL
MG	Poland Creek	Tributary to the Agua Fria; Bradshaw Mtns		A&Ww			PBC			FC		AgL
DW	Queen Creok	Headwaters to the Superior Mining Division discharge outfall		A&Ww				PBC	DWS	РС		AgL
MG	Queen Creek (BDW)	Superior Mining Division discharge outfall to confluence with Potts Canyon				A&Wedw		PBC				
MG	Queen Creek	Potts Canyon to El Camino Viejo Road		A&Ww			FBC			FC		AgL
MG	Queen Creek	Below Bi Camino Viejo Road			A&We			PBC				AgL
MG	Riverview Park Lake	Dobson Road & 8th Street; Mesa		A&Ww				PBC		೧೭		
MG	Roadrunner Park Lake	36th Street & Cactus; Phoenix		A&Ww				PBC		PC		
MG	Salt River	Granite Reef Dam to 2 km downstream		A&Ww			PBC		DWS	FC	Agi	AgL
MG	Sycaniore Creek	Tributary to the Agua Fria River	Λ&Wc				FBC			ည		AgL
MG	Turkey Creck	Tributary to Black Canyon Creek		A&Ww			PBC			ည	AgI	AgL
MG	Unnamed Wash (BDW)	Gila Bend WWTP outfall to the Gila River				A&Wedw		PBC				
DW	Unnanied Wash (EDW)	Luke Air Force Base WWTP outfall to the Agua Fria River				A&Wedw		ьвс				
MG	Unnamed Wash (BDW)	Prescott Valley WWTP outfall to the Agua Fria River				A&Wedw		PBC				
MG	Unnamed Wash (BDW)	Queen Valley Sanitary District WWTP outfall to the confluence with Queen Creek				A&Wedw		PBC				
MG	Vista Del Camino Park North	Scottsdale		A&Ww				PBC		22		
MG	Vista Del Camino Park South	Scottsdale		A&Ww				PBC		5		
MG	Weaver Creek	Tributary to Martinez Creek		A&Ww			FBC			FC		
RM	Abbot Canyon	Mule Mountains		A&Ww			FBC		DWS	ñ ñ	AgI	Agl
RM	Ash Creek	Chiricahua Mountains	A&Wc				FBC			ည	Agi	AgL
RM	Blackwater Draw	San Bernardino Valley		A&Ww			FBC		DWS	55	Agi	Agl
RM	Buck Canyon	Chiricahua Mountains		ARWW			FBC		DWS	5	Ag!	AgL

Appendix B: Designated Uses of Arizona Water Bodies

RM		LOCATION	A&Wo	A&Ww	A&We	A&Wedw	FBC	PBC	DWS	Σ.	Agľ	AgL
	California Guich	South of Ruby		A&Ww			FBC			FC		AgL
RM	Dixie Canyon	Mule Mountains		A&Ww			PBC		DWS	FC	Agī	Agt
RM	Dry Canyon	Mule Mountains		A&Ww			FBC		DWS	FC	AgI	Agt
RM	Gadwell Canyon	Mule Mountains		A&Ww			FBC		DWS	FC	Agi	AgL.
RM C	Olanco Creek	Mule Mountains		A&Ww			FBC			FC	Agī	AgL
RM	Gold Guloh	Mule Mountains		A&Ww			FBC			FC	Agi	AgL
RM 1	Holden Canyon Creek	Coronado National Forest		A&Ww			FBC			FC		
RM	Johnson Canyon	Chiricahua Mountains		A&Ww		•	FBC		DWS	FC	Agī	Agt.
RM	Lettle Canyon Creek	Chirloshua Mountains		A&Ww			.FBC		DWS	PC		AgL
RM P	Mexican Canyon	Mule Mountains		A&Ww			FBC		DWS	FC	Agi	AgL
RM	Mule Guich	Headwaters to the Bisbes WWTP outfell		A&Ww				PBC		FC	AgI	AgL
RM h	Mule Quich (BDW)	Below the Blabes WWTP outfail				A&Wedw	-	PBC				AgL
RM	Ruby Lakes	Near the town of Ruby	·	A&Ww			FBC			PC		AgL
RM	Rucker Canyon Creek	Chiricahua Mountains	A&Wo				FBC		DWS	P.C		AgL
RM	Rucker Canyon Lake	31°46'46"/109°18'30"	A&Wc				FBC			FC		AgL
RM S	Soto Canyon	Mule Mountains		A&Ww			PBC		DWS	FC C	Agī	AgL
RM	Sycamore Canyon Creak	Coronado National Forest		A&W#			FBC			FC		AgL
RM U	Unnamed Wash (EDW)	Bisbee-Dougles International Airport WWTP outfall to Whitewater Draw				A&Wedw		PBC	·			
RM W	Whitewater Draw	Sulpher Springs Valley		A&Ww			FBC			КC	Agi	Agl.
v sc v	Agua Callente Lake	Urban Leke; Tucson		A&Ww				PBC		FC		
SC A	Agua Callente Wash	Tributary to Tenque Verde Creek		A&Ww			FBC			2		AgL
SC A	Aguirre Wash	Aguine Valley			A&We			PBC				
V ၁၈	Alambre Wash	Tributary to Brawley Wash			A&We			PBC				
SC A	Alamo Wash	Tributary to Rillito Creek			A&We			PBC		_		

Appendix B: Designated Uses of Arizona Water Bodies

to T228 R16B Sec 19 CBA SW1/4 R16B Sec 19 CBA SW1/4 Arivaca Lako 11°15'05' Pantano Weeth 11°11'32' Cafada del Oro 10°37'07' to Highway 89 vay 89 to Internate 10 to Del Lago Dam dgo Dam Clenega Creek Clenega Creek Tuoson Clenega Creek the Santa Cruz River to Corral Canyon confluence 1 Canyon confluence	BASEN	SEGMENT	LOCATION	A&Wo	A&Ww	A&We	A&Wedw	FBC	PBC	DWS	FC	18V	AgL
Alum Gulch Headwaters to 7228 R16E See 19 CBA SW1/4 A&Ww Alum Gulch Below 7228 R16E See 19 CBA SW1/4 A&Ww Arivaca Creek Tribulary to Arivaca Lake A&Ww Arivaca Creek Tribulary to Ponteno Wach A&Ww Beg Hole Tank Tribulary to Caffade del Oro A&Ww Big Wach Tribulary to Caffade del Oro A&Ww Caffade del Oro Headwaters to Caffade del Oro A&Ww Caffade del Oro Headwaters to Highway 89 A&Ww Clenega Creek Headwaters to Highway 89 A&Ww Clenega Creek Headwaters to Interation 10 A&Ww Clenega Creek Headwaters to Interation 10 A&Ww Empire Gulch Headwaters to Empire Rench Spring A&Ww Flux Caryon Tributary to Clenega Creek A&Ww Fort Lowell Lake Urban Eake; Tuoson A&Ww Gardner Caryon Creek Tributary to Glenega Creek A&Ww Heardner Week Tributary to Glenega Creek A&Ww Heardner Week Tributary to Glenega Creek A&Ww Heardner Week <t< td=""><td>SC</td><td>Altar Wash</td><td>Altar Vailey</td><td></td><td></td><td>A&We</td><td></td><td></td><td>PBC</td><td></td><td></td><td></td><td></td></t<>	SC	Altar Wash	Altar Vailey			A&We			PBC				
Alum Gulch Bolow T228 R16E See 19 CBA SW1/4 A&Ww Arivaca Creek Tribulary to Arivaca Lake A&Ww Arivaca Lake 31°31'50'/111°15'05' A&Ww Arivaca Lake Tribulary to Pantano Wash A&Ww Big Wash Tribulary to Caltada del Oro A&Ww Big Wash Tribulary to Caltada del Oro A&Ww Caltada del Oro Headwaters to Highway 89 A&Ww Caltada del Oro Bolow Highway 89 A&Ww Clenega Creek Headwaters to Internate 10 A&Ww Clenega Creek Bolow Highway 89 A&Ww Clenega Creek Headwaters to Internate 10 A&Ww Clenega Creek Headwaters to Clenega Creek A&Ww Empire Gulch Headwaters to Clenega Creek A&Ww Flux Caryon Tribulary to Clenega Creek A&Ww For Lowell Lake Urban Eake; Tuoson A&Ww Greene Wesh Tribulary to Glenega Creek A&Ww Harrhaw Wesh Tribulary to Glenega Creek A&Ww Harrhaw Wesh Tribulary to Glenega Creek A&Ww <td>SC</td> <td>Alum Gulch</td> <td>Headwaters to T22S R16B Sec 19 CBA SW1/4</td> <td></td> <td>A&Ww</td> <td></td> <td></td> <td>PBC</td> <td></td> <td></td> <td>잂</td> <td></td> <td>Agt.</td>	SC	Alum Gulch	Headwaters to T22S R16B Sec 19 CBA SW1/4		A&Ww			PBC			잂		Agt.
Activates Creek Tribulary to Arivates Lake Activates Lakes Activates	SC	Alum Guloh	Bolow 7228 R16B Sec 19 CBA SW1/4			A&We			PBC			1	AgL
Activates Lake 31°31'50'7 111°15'05' A&Ww Attenbury Weah Tributary to Panteno Weath A&Ww Big Weath Tributary to Caffact dol Oro A&Ww Bog Hole Tank 31°28'34'7 10°37'07' A&Ww Brewley Weath Avra Valley A&Ww Caffacts del Oro Headwaters to Highway 89 A&Ww Clenega Creek Headwaters to Intentate 10 A&Ww Clenega Creek (U) Intentate 10 to Del Lago Dem A&Ww Clenega Creek (U) Tributary to Clenega Creek A&Ww Empire Guilch Headwaters to Empire Rench Spring A&Ww Flux Canyon Tributary to Alun Canyon A&Ww Flux Canyon Tributary to Alun Canyon confluence A&Ww Greene Weath Tributary to the Santa Cruz River A&Ww Harchaw Weath Headwaters to Corral Canyon confluence A&Ww Harchaw Weath Headwaters to Corral Canyon confluence A&Ww	SC	Arivaca Creek	Tributary to Arivaca Lake		A&Ww	٠		FBC			5		Agl
Attachury Wash Tribulary to Pantano Wash A&Ww Bear Grass Tank 31°23'01"/!!11°11'32" A&Ww Big Wash Tribulary to Ceftada del Oro A&Ww Bog Hole Tank 31°23'34"/!10°37'07" A&Ww Brawley Wash Avra Valley Acatada del Oro Headwaters to Highway 89 A&Ww Cafada del Oro Below Highway 89 A&Ww Clenega Creek Headwaters to Interstate 10 A&Ww Clenega Creek Below Highway 89 A&Ww Empire Gulch Below Del Lago Dam A&Ww Flux Canyon Tributary to Clenega Creek A&Ww Fort Lowell Lako Urban Lako; Tucon A&Ww Greene Wash Tributary to the Santa Cruz River A&Ww Harshaw Wash Tributary to the Santa Cruz River A&Ww Harshaw Wash Below Corral Canyon confluence A&Ww	သွင	Arivaca Lake	31.31.20./111.12.03.		A&Ww			FBC			5	γβį	AgL
Bear Grass Tenk 31°33'01'/111°1132* A&Ww Big Wash Tributary to Caffada dol Oro A&Ww Bog Hole Tank 31°28'34'/110°37'07* A&Ww Brawley Wash Avra Valley Avra Valley Caffada del Oro Headwaters to Highway 89 A&Ww Clenega Creek Headwaters to Internate 10 A&Ww Clenega Creek (U) Internate 10 to Del Lago Dam A&Ww Clenega Creek (U) Internate 10 to Del Lago Dam A&Ww Clenega Creek (U) Headwaters to Empire Rench Spring A&Ww Bmpire Gulch Headwaters to Empire Rench Spring A&Ww Flux Canyon Tributary to Clenega Creek A&Ww Gardner Canyon Creek Urban Lake; Tuseon A&Ww Gardner Canyon Creek Tributary to Glenega Creek A&Ww Harshaw Wash Headwaters to Corral Canyon confluence A&Ww Harshaw Wash Headwaters to Corral Canyon confluence A&Ww	သင	Atterbury Wash	Tributary to Pantano Wash			A&We			PBC				٦
Big Weath Tributery to Cafacta dol Oto Bog Hole Tank 31°28'34"/110°37'07" Brewley Weath Avre Valley Cafacta del Oto Headwaters to Highway 89 A&Ww Cafacta del Oto Below Highway 89 A&Ww Clenega Creek (J) Headwaters to Internate 10 A&Ww Clenega Creek (J) Internate 10 to Del Lago Dam A&Ww Clenega Creek (J) Below Del Lago Dam A&Ww Clenega Creek (U) Headwaters to Empire Rench Spring A&Ww Empire Gulch Headwaters to Empire Rench Spring A&Ww Flux Canyon Tributary to Clenega Creek A&Ww Gardner Canyon Creek Tributary to Clenega Creek A&Ww Gardner Canyon Creek Tributary to Clenega Creek A&Ww Harshaw Wash Tributary to Genega Creek A&Ww Harshaw Wash Headwaters to Corral Canyon confluence A&Ww Harshaw Wash Below Corral Canyon confluence A&Ww	သွ	Bear Grass Tank	31°33'01"/111°11'32"		A&Ww			FBC			S.		AgL
Bog Hole Tank 31°28347/110°37°07° A&Ww Brawley Wash Avin Valley A&Ww Cafinds del Oro Headwaters to Highway 89 A&Ww Cienega Creek Headwaters to Internate 10 A&Ww Cienega Creek (U) Internate 10 to Del Lago Dam A&Ww Cienega Creek (U) Internate 10 to Del Lago Dam A&Ww Cienega Creek (U) Internate 10 to Del Lago Dam A&Ww Empire Guich Headwaters to Empire Ranch Spring A&Ww Flux Canyon Tributary to Clenega Creek A&Ww Fort Lowell Lako Urban Lake; Tuosen A&Ww Gardner Canyon Creek Tributary to the Santa Cruz River A&Ww Harshaw Wash Headwaters to Corral Canyon confluence A&Ww Harshaw Wash Bolow Corral Canyon confluence A&Ww	သ္တ	Big Wath	Tributary to Caflada dol Oro			A&We			PBC				
Brawley Weath Aver Valley Caffada del Oro Headwaters to Highway 89 A&Ww Caffada del Oro Bolow Highway 89 A&Ww Clenega Creek (U) Intentate 10 to Del Lago Dam A&Ww Clenega Creek (U) Intentate 10 to Del Lago Dam A&Ww Cienega Creek (U) Tributary to Clenega Creek A&Ww Benpire Gulch Headwaters to Empire Rench Spring A&Ww Empire Gulch Below Empire Rench Spring A&Ww Fiux Canyon Tributary to Alum Canyon A&Ww Gardner Canyon Creek Tributary to Clenega Creek A&Ww Gardner Canyon Creek Tributary to the Santa Cruz River A&Ww Harshaw Wash Headwaters to Corral Canyon confluence A&Ww Harshaw Wash Bolow Corral Canyon confluence A&Ww	ည္တ	Bog Hole Tank	31°28'34"/110°37'07"		A&Ww			FBC			EC.		AgL.
Cafiada del Oro Headwaters to Highway 89 A&Ww Clonega Creek Headwaters to Internate 10 A&Ww Clenega Creek (U) Internate 10 to Del Lago Dam A&Ww Clenega Creek (U) Enlow Del Lago Dam A&Ww Clenega Creek (U) Tributary to Clenega Creek A&Ww Davidacon Canyon Tributary to Clenega Creek A&Ww Empire Gulch Headwaters to Empire Ranch Spring A&Ww Flux Canyon Tributary to Alum Canyon A&Ww Greene Wash Tributary to the Santa Cruz River A&Ww Harshaw Wash Headwaters to Correl Canyon confluence A&Ww Harshaw Wash Bolow Correl Canyon confluence A&Ww	ည္သ	Brawley Wash	Avm Valley			A&We			PBC				
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Clenega Creek (U) Interstate 10 to Del Lago Dam A&Ww Clenega Creek Below Del Lago Dam A&Ww Davidson Canyon Tributary to Clenega Creek A&Ww Empire Gulch Headwaters to Empire Rench Spring A&Ww Filux Canyon Tributary to Alum Canyon A&Ww Fort Lowell Lako Urban Lako; Tuoson A&Ww Gardner Canyon Creek Tributary to Clenega Creek A&Ww Harshaw Wash Tributary to the Santa Cruz Rivar A&Ww Harshaw Wash Headwaters to Corral Canyon confluence A&Ww Harshaw Wash Below Corral Canyon confluence A&Ww	သွ	Clenega Creek	Headwaters to Interntate 10		A&Ww			FBC			5		AgL
Clenega Creek Below Del Lago Dam A&Ww Davidson Canyon Tributary to Clenega Creek A&Ww Empire Guich Headwaters to Empire Rench Spring A&Ww Flux Canyon Tributary to Alum Canyon A&Ww Fort Lowell Lako Urban Lake; Tuoson A&Ww Gardner Canyon Creek Tributary to Clenega Creek A&Ww Harshaw Wash Headwaters to Corral Canyon confluence A&Ww Harshaw Wash Below Corral Canyon confluence A&Ww	သွ	Clenega Creek (U)	Interstate 10 to Del Lego Dam		A&Ww			FBC			2		AgL
Davidson Canyon Tributary to Clenega Creek Empire Gulch Headwaters to Empire Ranch Spring A&Ww Flux Canyon Tributary to Alum Canyon A&Ww Fort Lowell Lake Urban Lake; Tuoson A&Ww Gardner Canyon Creek Tributary to Clenega Creek A&Ww Harshaw Wash Headwaters to Corral Canyon confluence A&Ww Harshaw Wash Below Corral Canyon confluence A&Ww	SC	Cienega Creek	Below Dei Lago Dam		A&WW			FBC			5		AgL
Empire Guich Headwaters to Empire Rench Spring A&Ww Flux Canyon Tributary to Alum Canyon A&Ww Fort Lowell Lako Urban Lako; Tuoson A&Ww Gardner Canyon Creek Tributary to Clenega Creek A&Ww Greene Weah Tributary to the Santa Cruz River A&Ww Herehaw Weah Headwaters to Corral Canyon confluence A&Ww Herehaw Weah Below Corral Canyon confluence A&Ww	သွ	Davidson Canyon	Tributary to Clenega Creek			A&We			PBC				Agt
Empire Gulch Below Empire Ranch Spring A&Ww Flux Canyon Tributary to Alum Canyon A&Ww Fort Lowell Lake Urban Lake; Thoson A&Ww Gardner Canyon Creek Tributary to Clenega Creek A&Ww Harshaw Wash Headwaters to Corral Canyon confluence A&Ww Harshaw Wash Below Corral Canyon confluence A&Ww	သွင	Empire Gulch	Headwaters to Empire Rench Spring			A&We			PBC			1	
Flux Canyon Tributary to Alum Canyon A&Ww Fort Lowell Lake Urban Lake; Tueson A&Ww Gardner Canyon Creek Tributary to Clenega Creek A&Ww Greene Wash Tributary to the Santa Cruz Rivar A&Ww Harshaw Wash Headwaters to Corral Canyon confluence A&Ww Harshaw Wash Below Corral Canyon confluence A&Ww	သွင	Empire Gulch	Below Empire Ranch Spring		A&WW			FBC			잂	1	AgL
Fort Lowell Lake Urban Lake; Tuoson A&Ww Gardner Canyon Creek Tributary to Clenega Creek A&Ww Greene Wash Tributary to the Santa Cruz River A&Ww Harshaw Wash Headwaters to Corral Canyon confluence A&Ww Harshaw Wash Below Corral Canyon confluence A&Ww	သွ	Flux Canyon	Tributary to Alum Canyon	·		A&Wo		·	PBC			\exists	AgL
Gardner Canyon Creek Tributary to Clenega Creek A&Ww Greene Weath Tributary to the Santa Cruz River A&Ww Harshaw Weeth Headwaters to Corral Canyon confluence A&Ww Harshaw Weeth Bolow Corral Canyon confluence A&Ww	သွင	Fort Lowell Lake	Urban Lako; Tuoson		A&WW				PBC		22		
Greene Weah Tributary to the Santa Cruz River Herehaw Wesh Headwaters to Correl Canyon confluence A&Ww Harshaw Wesh Below Correl Canyon confluence	သူ	Gardner Canyon Creek	Tributary to Clenega Creek		A&Ww			FBC			2	7	
Hershaw Wesh Hoedwaters to Correl Canyon confluence A&Ww Hershaw Wesh Below Correl Canyon confluence	SC	Greene Wash	Tributary to the Santa Cruz River			A&We			PBC				
Harshaw Wash Bolow Corral Canyon confluence	သွ	Harshaw Wash	Headwaters to Corral Canyon confluence	· .	A&Ww			PBC			FC		AgL
	30	Harshaw Wash	Below Corral Canyon confluence			A&We			PBC		1	7	AgL
	သွ	Hlt Tank	32°43'57"/111°03'18"		A&Ww			FBC			22		Agt.

Appendix B: Designated Uses of Arizona Water Bodies

SC Humbur Under TREAD ARW ARW FPG FPG FPG FPG ARW FPG <	BASIN	SEGMENT	LOCATION	A&Wo	A&Ww	A&Wo	A&Wedw	FBC	PBC	DWS	PC	18V	AgL
Julian Wash Teble and Lake; Tueson ARAW ARAW PBC FC Actuardy Lake Urban Lake; Tueson ARAW ARAW PBC FC Lakeside Lake Urban Lake; Tueson ARAW ARAW PBC FC Lammon Canyon Creek Tributary to Sakine Croux River ARAW ARAW PBC FC Rogates Wash Tributary to Sakine Croux River ARAW ARAW PBC FC Aniles Canyon Creek Tributary to Sakine Croux River ARAW ARAW FBC FC Particle Lake Tributary to Sakine Creek ARAW ARAW FBC FC Particle Lake Tributary to Sakine Creek ARAW ARAW FBC FC Particle Lake Tributary to Sakine Creek ARAW ARAW FBC FC Particle Canyon Creek Tributary to Patter Canyon Lake ARAW ARAW FBC FC Patter Canyon Creek Tributary to Patter Canyon Lake Tributary to Samile Creek ARAW ARAW FBC FC <tr< td=""><td>သင</td><td>Huachuca Tank</td><td>31°21'11'/110°30'12"</td><td></td><td>A&Ww</td><td></td><td></td><td>FBC</td><td></td><td></td><td>FC</td><td></td><td>Agi</td></tr<>	သင	Huachuca Tank	31°21'11'/110°30'12"		A&Ww			FBC			FC		Agi
Konntofy Lisbe Uthan Lide; Tueson AABW PBC PC Labeside Lisbe Uthan Lide; Tueson AABW PBC PBC PC Labeside Lisbe Tibluary to Shale Cruyon Creek AABW PBC PBC PC Los Robles Wash Tibluary to the Santa Cruz River AABW PABC PBC PC Median Curyon Creek Tibluary to the Santa Cruz River AABW AABW PBC PC Median Curyon Creek Tibluary to the Santa Cruz River AABW AABW PBC PC Median Curyon Creek Tibluary to Santa Cruz River AABW AABW PBC PC Parlater Curyon Creek Tibluary to Santa Cruz River AABW AABW PBC PC Parlater Curyon Creek Tibluary to Creeke Curyon Creek Tibluary to Pater Curyon Like AABW PBC PBC PC Parlater Curyon Creek Tibluary to Creeke Curyon Like AABW PBC PBC PBC Parlater Curyon Creek Tibluary to Creeke Tibluary to Creeke AABW PBC	SC	Julian Wath	Tributary to the Santa Cruz River			A&Wo			PBC				
Lakewide Lake Uthonin Lakei, Tueson A&Ww PRC PRC PRC Lamenton Canyon Creek Tributary to Sabino Carry River A&Ww PRC PRC PRC Los Robles Wash Tributary to the Stanto Carry River A&Ww PRC PRC PRC Maders Carryon Creek Tributary to the Stant Creek River A&Ww A&Ww PRC PRC PRC Nogales Wash Tributary to the Stant Creek River A&Ww A&Ww PRC PRC PRC PRC Paralles Canyon Creek Tributary to Stanto Creek River A&Ww A&Ww A&Ww PRC PRC <td>သွ</td> <td>Kennedy Lako</td> <td>Urban Lake; Tucson</td> <td></td> <td>A&Ww</td> <td></td> <td></td> <td></td> <td>PBC</td> <td></td> <td>ñ</td> <td></td> <td></td>	သွ	Kennedy Lako	Urban Lake; Tucson		A&Ww				PBC		ñ		
Long Hooles Wash Tribulaty to Sania Care River A&We PBC PBC PC Lon Robles Wash Tribulaty to the Senia Care River A&We A&We PBC PBC PC Madata Careyon Creek Tribulaty to the Senia Care River A&We A&We PBC PBC PC Nogales Wash Tribulaty to Cleage Creek A&We A&We PBC PBC PC Nogales Wash Tribulaty to Cleage Creek A&We A&We PBC PBC PC Pallated Careyon Tribulaty to Cleage Creek A&We A&We PBC PBC PBC Paradia Labo Nete Adizone Clay Tribulaty to Parket Canyon Labo A&We A&We PBC PBC PBC Parket Canyon Labo Tribulaty to Parket Canyon Labo Tribulaty to Parket Canyon Labo A&We PBC PBC PBC PBC Parket Canyon Creek Tribulaty to Parket Canyon Labo Tribulaty to Parket Canyon Labo A&We PBC PBC PBC Parket Canyon Creek Tribulaty to Cantal Cantal <t< td=""><td>SC</td><td>Lakoside Lake</td><td>Urban Lake, Tucson</td><td></td><td>A&Ww</td><td></td><td></td><td></td><td>PBC</td><td></td><td>FC</td><td></td><td></td></t<>	SC	Lakoside Lake	Urban Lake, Tucson		A&Ww				PBC		FC		
Los Robles Wash Tributary to the Santa Cruz River A&We A&We PBC PBC PC Madera Carryou Creek Tributary to the Santa Cruz River A&We A&We PBC PBC PBC PBC Ock Tree Carryon Tributary to the Santa Cruz River A&We AAWe PBC PBC PBC PBC Paradire Layon Tributary to Sabine Cruz River AAWe AAWe AAWe PBC PBC PBC PBC Paradire Layon Tributary to Sabine Creek AAWe AAWe AAWe PBC PBC PBC PBC Paradire Layon Tributary to Sabine Creek Tributary to Tanque Verte Creek AAWe AAWe PBC PBC PBC PBC Paradire Canyon Lake Tributary to Parker Canyon Lake Tributary to Parker Canyon Lake AAWe AAWe PBC PBC PBC PBC Parker Canyon Lake Tributary to Parker Canyon Lake Tributary to Parker Canyon Lake AAWe AAWe PBC PBC PBC PBC Parker Canyon Cree	sc	Lemmon Canyon Creek	Tributary to Sabino Canyon Creek	A&Wo				PBC			ъ		
Made ten Canyon Creek Tributary to the Sania Crae River A&Ww PBC FPC FC Ook Tree Canyon Tributary to the Sania Creek A&Ww A&Ww PBC PBC FC Palisade Canyon Tributary to Genegae Creek A&Ww A&Ww FBC PBC FC Panisan Cheek Tributary to Sabino Canyon Creek Tributary to Sabino Canyon Lake A&Ww FBC PBC FC Parkelin Lake Tributary to Parker Canyon Lake A&Ww A&Ww FBC FBC FC Parker Canyon Lake 31-23/35/110227/15* A&W A&Ww FBC FBC FC Parker Canyon Lake 31-23/35/110227/15* A&W A&W FBC FBC FC Parker Canyon Lake 31-23/35/11025/16* A&W A&W FBC FBC FC Redoork Canyon Creek Tributary to Alar Weath A&W A&W FBC FBC FC Route Canyon Creek Tributary to Catasa Chee A&W A&W BBC FBC FBC	သွ	Los Robies Wash	Tributary to the Santa Cruz River			A&We			PBC				
Nogales Wath Tribulatory to the Sania Coure River A&Wo A&Wo PBC PBC PBC Ook Tree Canyon Tribulatory to Canaga Creek A&Wo MA&Wo PBC PBC PC PC Parlade Canyon Creek Tribulatory to Sabino Canyon Lake A&Wo MA&Wo PBC PBC PC PC Parlader Canyon Lake Tribulatory to Parker Canyon Lake A&Wo A&Wo PBC PBC PC PC Parlagonia Lake 31-29-39-3110-22715* A&Wo A&Wo PBC PBC PC PC Parlagonia Lake 31-29-39-3111-05-2716* A&Wo A&Wo PBC PBC PC PC Parlagonia Lake Tribulanty to Parker Canyon Lake A&Wo A&Wo PBC PBC PC PC Red Fork Lake Tribulanty to Smolia Creek Tribulanty to Smolia Creek A&Wo PBC PBC PC PC Rose Canyon Creek Tribulanty to Creak River Tribulanty to Creak River A&Wo PBC PBC PC PC	sc	Madera Canyon Creek	Tributary to the Santa Cruz River		A&Ww			PBC			FC		AgL
Oak Tree Cenyon Tribulary to Clorage Crook A&Wo A&Wo FBC FBC FBC Patisade Canyon Creek Tribulary to Sabino Caryon Creek A&Wo A&Wo FBC FBC FBC FBC Patisade Canyon Creek Tribulary to Tanqua Vorde Creek A&Wo A&Wo FBC FBC FBC FBC Paristan Watch Tribulary to Tanqua Vorde Creek A&Wo A&Wo FBC FBC FBC FBC Paristan Watch Tribulary to Parker Canyon Lake A&Wo A&Wo FBC FBC FBC FBC Paristancia Lake 31°25/357/110°27/11	sc	Nogatos Wash	Tributary to the Santa Cruz River		A&WW				PBC			Agi	AgL
Patiente Canyon Croek Tributary to Sabino Canyon Croek A&Wo FBC FC FC Paradine Lake Tributary to Tanque Vordo Creek A&Wo A&Wo FBC FBC FBC FC Paristen Oward Tributary to Tanque Vordo Creek Tributary to Tanque Vordo Creek A&Wo FBC FBC </td <td>ည္မ</td> <td>Oak Tree Canyon</td> <td>Tribulary to Clenega Croek</td> <td></td> <td></td> <td>A&We</td> <td></td> <td></td> <td>Pac</td> <td></td> <td></td> <td></td> <td></td>	ည္မ	Oak Tree Canyon	Tribulary to Clenega Croek			A&We			Pac				
Pend Inches Near Antzona Cliy A&Ww PBC PBC </td <td>SC</td> <td>Palisade Canyon Creek</td> <td>Tribulary to Sabino Canyon Creek</td> <td>A&Wo</td> <td></td> <td></td> <td></td> <td>FBC</td> <td></td> <td></td> <td>ភ</td> <td></td> <td></td>	SC	Palisade Canyon Creek	Tribulary to Sabino Canyon Creek	A&Wo				FBC			ភ		
Parker Canyon Creek A&Wo A&Wo FBC FBC FC Parker Canyon Creek 31°25′35′/10°27′115° A&Wo A&Wo FBC FBC FC FC Parker Canyon Lake 31°25′35′/10°27′110°27′110° A&Wo A&Wo FBC FBC FC FC Parker Canyon Lake 31°24′12′/111°05′/04° A&Wo A&Wo FBC FBC FC FC Parker Canyon Lake 31°24′12′/111°05′/04° A&Wo A&Wo FBC FBC FC FC Parker Canyon Creek Tributary to Alax Wash A&Wo A&Wo FBC FC FC FC Redrock Canyon Creek Tributary to the Santa Cruz River A&Wo A&Wo FBC FC FC FC Rose Canyon Creek Tributary to Calidate del Oro A&Wo A&Wo FBC	သွ	Paradise Lake	Near Arizona City		A&Ww			FBC				Agī	
Parker Canyon Creek Tributary to Parker Canyon Lake A&W A&W FBC FBC FC Parker Canyon Lake 31°29°39°1110°22°16° A&W A&W FBC FBC FBC FC Parker Canyon Lake 31°29°39°1110°52°00° A&W A&W FBC FBC FC FC Parker Canyon Lake 31°29°30°1110°52°00° A&W A&W FBC FBC FC FC Redrook Canyon Creek Tributary to Alar Wash A&W A&W PBC FBC FC FC Rollilo Creek Tributary to the Santa Cruz River A&W A&W FBC FBC FC FC Rone Canyon Creek Tributary to Canada del Oro A&W AA FBC FBC FC FC Rose Canyon Lake Tributary to Tanque Verde Creek Tributary to Tanque Verde Creek AA FBC FBC FC FC Sabino Canyon Creek Tributary to Tanque Verde Creek AA FBC FBC FBC FC FC Sabino Canyon	ည္တ	Pantano Wash	Tributary to Tanque Verde Creek			A&Wo			PBC				
Parker Canyon Lake 31°29'30'110°27'15* A&We A&We FBC FBC FC Paubgoula Lake 31°29'30'110°52'00°* A&We M M FBC M FC Paubgoula Lake 31°24'12'/111°05'04°* A&We M M FBC M FC Partoclio Weah Tribulary to Allar Weah Tribulary to Sonolia Creek Tribulary to Sonolia Creek M A&We M BC FC FC Redrock Canyon Creek Tribulary to Caffada del Oro A&We M A&We M BC FC FC Romero Canyon Creek Tribulary to Caffada del Oro A&We M A&We M FBC FC FC Rose Canyon Lake Tribulary to Caffada del Oro A&We A&We FBC M FC FC Rose Canyon Creek Tribulary to Tanque Verde Creek A&We M FBC M FC FC Sabino Canyon Creek Tribulary to Tanque Verde Creek A&We M FBC M FC	30	Parker Canyon Creek	Tributary to Parker Canyon Lake		A&Ww			FBC			FC		
Patagonia Lake 31°29°30″110°52′00° A&Wo A&Wo FBC FBC DWS FC Pata Blanca Lake Tributary to Altar Wash A&Wo MARWo MARWO <td>သွ</td> <td>Parker Canyon Lake</td> <td>31°25'35"/110°27'115"</td> <td>A&Wo</td> <td></td> <td></td> <td></td> <td>FBC</td> <td></td> <td></td> <td>FC</td> <td>184</td> <td>Agt</td>	သွ	Parker Canyon Lake	31°25'35"/110°27'115"	A&Wo				FBC			FC	184	Agt
Point Blanca Lake 31°247127/111°05'04* A&Wo FBC FBC FC Point Blanca Lake Tribulary to Allar Wash Tribulary to Sonolia Creek A&Ww PBC PBC FC Redrock Canyon Creek Tribulary to Sonolia Creek Tribulary to Cafada del Oro A&Ww PBC PBC FC Rillio Creek Tribulary to Cafada del Oro A&Wo A&Wo PBC FC FC Rose Canyon Creek Tribulary to Cafada del Oro A&Wo A&Wo FBC FC FC Rose Canyon Creek Tribulary to Rose Canyon Lake A&Wo A&Wo FBC FC FC Sabino Canyon Creek Tribulary to Tanque Verde Creek A&Wo FBC BC FC Sabino Canyon Creek Tribulary to Tanque Verde Creek A&Wo BC BC FC FC Sabino Canyon Creek Tribulary to Tanque Verde Creek A&Wo BC BC BC FC	သွ	Patagonia Lake	31°29'30"/110°52'00"	A&Wo				FBC		DWS	Σ	Agī	Agt
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Redrook Canyon Creek Tributary to Sonolia Creek Tributary to Canyon Creek A&Ww A&Ww PBC PC PC Rollifto Creek Tributary to the Santa Cruz River A&Wo Ma&Wo PBC PBC PC PC Romero Canyon Creek Tributary to Catada del Ono A&Wo Ma&Wo PBC PBC PC PC Rose Canyon Lake 31°23'13"/110°42'38" A&Wo A&Wo PBC PBC PC PC Sabino Canyon Creek Tributary to Tanque Verde Creek A&Wo A&Wo PBC PBC PC PC Sabino Ranch Tank 31°35'42"/110°33'22" A&Wo A&Wo PBC PBC PC PC	သွင	Puertoolto Wesh	Tributary to Altar Wash			A&We			PBC				
Roid Park Lake Urban Lake; Tuoson Libutary to the Santa Cruz River A&We A&We PBC PC PC Roinflio Creek Tributary to the Santa Cruz River A&We A&We PBC PBC PC PC Rose Canyon Creek Tributary to Rose Canyon Lake A&We A&We PBC PBC PC PC Rose Canyon Creek Tributary to Tanque Verde Creek A&We A&We PBC PBC PC PC Sabino Canyon Creek Tributary to Tanque Verde Creek A&We A&We PBC PBC PC PC Sabino Ranch Tank 31°35'42"/110°33'22" A&We A&We PA&We PBC PBC PC PC	SC	Redrock Canyon Creek	Tributary to Sonofta Creek		A&Ww			FBC			FC		
Rillito Creek Tributary to the Santa Cruz River A&Wo A&Wo PBC PBC PC Romero Canyon Creek Tributary to Caffada del Oro A&Wo A&Wo PBC PBC PC Rose Canyon Lake 32°23°13"/110°42"38" A&Wo A&Wo PBC PBC PC Sabino Canyon Creek Tributary to Tanque Verde Creek A&Wo A&Wo PBC PBC PC Sabino Ranch Tank 31°35'42"/110°53"22" A&Wo A&Wo PBC PBC PC	သင	Roid Park Lako	Urban Lake; Tuoson		A&Ww				PBC		F.C		
Ronse Canyon Creek Tributary to Cafiada del Oro A&Wo A&Ww FBC FC Rose Canyon Lake 32°23'13'110°42'38' A&Wo A&Wo FBC PC Sabino Canyon Creek Tributary to Tanque Verde Creek A&Wo A&Wo PBC DWS FC Saloro Ranch Tank 31°35'42'/110°53'22' A&Wo A&Wo FBC PC FC	သူ	Rillito Creek	Tributary to the Santa Cruz River			A&Wo			PBC				Agt
Rose Canyon Creek Tributary to Rose Canyon Lake A&Ww A&Ww FBC FC Rose Canyon Lake 32°23'13'110°42'38' A&Wo FBC FC Sabino Canyon Creek Tributary to Tanque Verde Creek A&Wo FBC DWS FC Saloro Ranch Tank 31°35'42'/110°53'22' FC FC FC FC	သွ	Romero Canyon Creek	Tributary to Caffada del Oro	A&Wo				FBC			Σ.		
Rose Canyon Lake 32°23°13"/110°42'38" A&Wo FBC FC Sabino Canyon Creek Tribulary to Tanque Verde Creek A&Wo FBC DWS FC Salero Ranch Tank 31°35'42"/110°53'22" FC FC FC	သွ	Rose Canyon Creek	Tributary to Rose Canyon Lake		A&Ww			PBC			2		Ī
Sabino Canyon Creek Tributary to Tangue Verde Creek A&Wo FBC DWS FC Salero Ranch Tank 31°35'42"/110°53'22" FC FC FC FC	၁ၭ	Rose Canyon Lake	32°23'13"/110°42'38"	A&Wo	,			FBC			22	νĝι	AgL
Saleno Ranch Tank 31°35'42"/110°53'22" A&Ww RBC RD	၁ၭ	Sabino Canyon Creek	Tributary to Tangue Verde Creek	A&Wo				PBC		DWS	ξ.	γgγ	
	SC	Saloro Ranch Tank	31°35'42"/110°53'22"		A&Ww			PBC			잂		AgL

Appendix B: Designated Uses of Arizona Water Bodies

SC Stanta Cone River Histodwatent to the International WayTP cutfell to the Nogales A&Wo FPG FPG PPG SC Sentia Cone River (EDW) International WayTP cutfell to the Nogales A&Wo A&Wo PPG PPG SC Sentia Cone River (EDW) Roger Rod WYTP cutfell to Bammgatener A&Wo A&Wo PPG PPG SC Sentia Cone River (EDW) Roger Rod WYTP cutfell to Bammgatener A&Wo A&Wo PPG PPG SC Sentia Cone River (EDW) Roger Rod WYTP cutfell to Bammgatener A&Wo A&Wo PPG PPG SC Sentia Cone River (EDW) Roger Rod WYTP cutfell to Bammgatener A&Wo A&Wo PPG PPG SC Sentia Cone River (EDW) Roger Rod WYTP cutfell to Bammgatener A&Wo A&Wo PPG PPG SC Sentia Cone River (Wash) Roger Rod WWTP cutfell to Bammgatener A&Wo DR PPG PPG SC Sentia Cone River (Wash) Roger Rod WWTP cutfell to Bammgatener AAWW AAWW DR PPG PPG	BASIN	SEGMENT	Location	A&We	A&Ww	A&We	A&Wedw	PBC	PBC	DWS	FG	AgI	AgL
Senite Croze River International WATP outfail to the Nogales A&Ww FBC FBC Senite Croze River (EDW) Roger Road WVTP outfail to Bumpartont A&Wo A&Wo PBC Senite Croze River (EDW) Road Enternational WVTP outfail to Bumpartont A&Wo AAWO PBC Senite Cruz River (EDW) Rearenation The Tubes Bridge to Roger Red WVTP outfail to Bumpartont AAWO AAWO PBC Senite Cruz River (Worls) Rearenation Tributary to the Saint Cruz River AAWO AAWO PBC Senite Cruz River (Worls) Rearenation Tributary to the Saint Cruz River AAWO AAWO PBC Senite Cruz River (Worls) Below Papago Indian Reservation AAWO AAWO PBC PBC Sinter Lake Sanite Road World AAWO AAWO PBC PBC Sinter Lake Below Papago Indian Reservation AAWO AAWO PBC PBC Sinter Lake Below Bridgeale WWITP outfail AAWO AAWO PBC PBC Sonolin Creak Below Bridgeale WWITP outfail AAWO AAW	သွ	Sente Cruz River	Headwaters to the International Boundary	-	A&Ww			PBC			FC	18v	AgL
Sania Cuz River (EDV) Nogales Informational WWTP outfail to the Sania Cuz River (EDW) Reavends A&We A&We A Sania Cuz River (EDW) Roper Road WWTP outfail to Baungariant Road to the Oila River Indian A&We A&We Image A Sania Cuz River (Math) Baungariant Road to the Oila River Indian A&We A&We Image A Sania Cuz River (Math) Baungariant Road to the Oila River Indian A&We A&We Image A Sania Cuz River, West Breach Tributary to the Sania Cuz River A&We A&We Image A Sania Cuz River, N. Fork Tributary to the Sania Cuz River A&We A&We Image A Sania Cuz River, N. Fork Tributary to the Sania Cuz River A&We Image A Image A Sania Cuz River, N. Fork Tributary to the Sania Cuz River A&We Image A Image A Sania Cuz River, N. Fork Tributary to the Sania Cuz River A&We Image A Image A Sania Cuz River, N. Fork Headwarer to the Patagonia WWTP outfail A&We Image A Image A Soldier Lake Soldier Lake Tributary to Rillio Carek AA	သင္သ	Santa Cruz River	International Boundary to the Nogales International WWTP outfail		A&Ww			FBC		DWS	2	γ8γ	78v
Santa Cruz River The Tube Bridge to Roger Rdd WWTP outfall to Baumgartner A&Word A&Word Santa Cruz River (EDW) Roger Road WWTP outfall to Baumgartner A&Word A&Word Santa Cruz River (Wesh) Bearration Road-radion A&Word A Santa Cruz River, West Branch Tribusary to the Santa Cruz River A&Word A A Santa Cruz River, West Branch Tribusary to the Santa Cruz River A A&Word A A Santa Roaz River, West Branch Tribusary to the Santa Cruz River A A&Word A	သွင	Santa Cruz River (EDW)	Nogales International WWTP outfall to the Tubae Bridge				A&Wedw		PBC				AgL.
Sanita Cruzz River (BDW) Roadr Road WWTP outfall to Baumgentinet Read Road WWTP outfall to Baumgentinet Read Road WWTP outfall to Baumgentinet Read Road WWTP outfall A&Wo A&Wo AARWo AAR	ည္တ	Santa Cruz River	The Tubac Bridge to Roger Rd WWIP outfall			A&We	,		PBC				AgL
Santa Cruz River, Weath) Reservation Reservation A&Wo A Santa Cruz River, West Branch Tribulary to the Santa Cruz River A&Wo A A Santa Cruz River, West Branch Tribulary to the Santa Cruz River A&Wo A A Santa Cruz River, West Bell Lake Urban Lake; Totoon A&Wo A A Solder Lake Urban Lake; Totoon A&Wo A B Sondier Lake 12-25/34*/110*4441 A&Wo B B Sondier Lake Sondier Lake Below the Patagonia WWTP outfall A&Wo B B Sondier Lake Below the Patagonia WWTP outfall A&Wo A B B Sondier Lake Tribulary to Caleda dol Cro A&Wo A&Wo B B Sondier Lake Tribulary to Caleda dol Cro A&Wo A&Wo B B Sylamone Reservoir Tribulary to Caleda dol Cro A&Wo A&Wo B B Thrque Verde Creek Tribulary to Rillito Creek A&Wo A&Wo B B	SC	Santa Cruz Rivor (EDW)	Roger Road WWTP outfall to Baumgartner Road				A&Wedw		PBC				AgL
Sania Cruz River, Weir Branch Tribulary to the Sania Cruz River A&We A&We A Sania Cruz River, N. Fork Tribulary to the Sania Cruz River A&We A&We P A Sania Roa Wash Below Papago Indian Reservation A&We A A A B	ဒင	Santa Cruz River (Wash)	Baumgartner Road to the Gila River Indian Reservation			A&We			PBC				AgL
Santa Conz River, N. Fork Tribulary to the Santa Cruz River A&We A&We A Santa Roaa Wasth Below Papago Indian Reservation A&We A&We PBC Silver Bell Lake Urban Lake; Tuoson A&We PBC PBC Soldier Lake 22-25/34/110*44/41* A&We PBC PBC Sonolia Creek Below the Patagonia WWTP outfail A&We PBC PBC Sonolia Creek Below the Patagonia WWTP outfail A&We PBC PBC Split Tank Sonolia Creek A&We A&We PBC Split Tank Subterland Wash Tributary to Cafada dal Oro A&We PBC PBC The Lake Tank 32-24/14/111*04/14* A&We A&We PBC PBC Three R Canyon Bestern foothilis, Siertla Mountains A&We A&We PBC PBC Thingla Wash Bestern foothilis, Siertla Mountains A&We BBC	သွ	Santa Cruz River, West Branch	Tributary to the Santa Cruz River			A&Wo			PBC				AgL
Santa Roae Waeth Below Papago Indian Reservation A&We A&We PBC Soldier Lake Urban Lake; Tuoson A&We PBC PBC Sonolia Creek Headwaters to the Palagonia WWTP outfall A&We PBC PBC Split Tank 31-28-15-7111*05'15" A&We PBC PBC Split Tank 31-28-15-7111*05'15" A&We PBC PBC Split Tank 31-28-15-7111*05'15" A&We PBC PBC Subtractand Weach Tributary to Cahada dol Oro A&We A&We PBC The Lake Tank 32-20'57'110'44'52" A&We PBC PBC The Lake Tank 32-24'14'/111*04'14" A&We A&We PBC Three R Canyon Headwaters to bottom of perennial reach to Sonolia Creek A&We PBC PBC Three R Canyon Bottom of perennial reach to Sonolia Creek A&We PBC PBC Three R Canyon Bottom of perennial reach to Sonolia Creek A&We PBC PBC Three B Canyon Bottom of perennial reach to Sonolia Creek	သွင	Santa Cruz River, N. Fork	Tributary to the Santa Cruz River			A&We			PBC				
Solidier Lake Urban Lake; Tuoeon A&Wo A&Wo FBC Solidier Lake Headwaters to the Paiagonia WVTP outfall A&Wo PBC FBC Sonolia Creek Below the Paiagonia WVTP outfall A&Wo PBC FBC Split Tank 31°28'157/111°05'15° A&Wo PBC FBC Sutherland Weeh Tributary to Cafada dol Oro A&Wo PBC FBC Tangue Verle Creek Tributary to Rillito Creek A&Wo PBC FBC The Lake Tank The Lake Tank A&Wo PBC FBC Three R Canyon Headwaters to bottom of perennial reach A&Wo PA&Wo FBC Three R Canyon Bottom of perennial reach to Sonolia Creek A&Wo PA&Wo PBC Tinaja Wash Eastern foothills, Slerrite Mountains A&Wo PA&Wo PA PBC Unnamed Wash Goacle Sanitary District WVIPP outfall to 5 km A&Wo PA PBC PBC	သွ	Santa Rosa Wash	Below Papago Indian Reservation			A&We			PBC				
Solidior Lake 3225347/110°4441* A&Wo PBC PBC Sonolia Creek Headwaters to the Palagonia WWTP outfail A&Ww PBC FBC Split Tenk 31°28'15'/111°05'15' A&Ww PBC FBC Sulticriend Wash Tributary to Carlada dol Oro A&Wo PBC FBC Sycamore Reservoir 32°20'57'/110°44'52' A&Wo PBC FBC The Lake Tenk Tributary to Rillito Creek A&Wo PBC FBC The Lake Tenk 32°54'14'/111°04'14' A&Wo PAWW FBC Three R Canyon Headwaters to bottom of perenniel reach A&Wo PAW FBC Three R Canyon Bottom of perenniel reach to Sonolia Creek A&Wo PAW FBC Tinaja Wash Beatern Goothilis, Sierrita Mountains A&Wo PAW FBC Unuamed Weak (EDW) Oracle Sanitary District WWIFP outfail to 5 km AAW PAW PAW	သွ	Silver Bell Lake	Urban Lake; Tueson		A&Ww				PBC		FC		
Sonolia Creek Headwaters to the Palagonia WWTP outfail A&Ww FBC Sonia Creek Below the Palagonia WWTP outfail A&Ww FBC Split Tank 31°28'15'111'05'15' FBC FBC Sutherland Wash Tributary to Cafada del Oro A&Ww FBC FBC Sycamore Reservoir Tributary to Rillito Creek A&Wo A&Ww FBC Tangue Verde Creek Tributary to Rillito Creek A&Ww FBC FBC Three R Canyon Headwaters to bottom of personniel reach A&Ww A&We FBC Tinaja Wash Bottom of personniel reach A&We A&We FBC Tinaja Wash Beatenn foothilis, Sierrita Mountains A&We BBC BBC Unuaned Wash (BDW) Oracle Sanitary District WVFP outfail to \$tm A&We BBC BBC	သွ	Soldier Laks	32°25'34"/110°44'41"	A&Wo				PBC			FC		AgL
Sonolia Creek Below the Patagonia WWTP outfail A&Ww FBC Split Tank 31°28'15"/111°05'15" A&Ww PBC Sutherland Weath Tributary to Cañada del Oro A&Wo PBC Syoamore Reservoir Tributary to Cañada del Oro A&Wo PBC Tangue Verde Creek Tributary to Rillito Creek A&Wo PBC The Lake Tank 32°54'14"/111°04'14" A&Wo PBC Three R Canyon Headwaters to bottom of perennial reach A&Wo PBC Tinaja Wash Eastern foothills, Sierrita Mountains A&Wo PA&Wo Unuamed Wash (EDWy) Oracle Sanitary District WVTP outfail to 5 km A&Wo AAWo	သွင	Sonoita Creek	Headwaters to the Patagonia WWTP outfall		A&Ww				PBC		PC	Agi	AgL
Split Tank 31°28'15'111'005'15* A&Ww A&We FBC Sutherland Weeh Tributery to Cafada del Oro A&We A&We FBC Sysamore Reservoir Tributery to Rillio Creek A&We PBC FBC The Lake Tank 32°54'14'/111'04'14" A&We PBC FBC Three R Canyon Headwaters to bottom of peromial reach A&We A&We FBC Three R Canyon Bottom of peromial reach to Sonolia Creek A&We A&We FBC Tinaja Wash Eastern foothills, Sierrita Mountains A&We A&We FBC Unusmed Wash (EDW) One to Sanitary District WWTP outfall to 5 km A&We A&We FB	သွ	Sonoita Creek	Below the Patagonia WWTP outfail		A&Ww			FBC			FC	Agi	AgL
Sutherland Weeh Tributary to Ceftade dei Oro A&Wo A&Wo FBC Sycamore Reservoir 32°20°57″/110°44′52″ A&Wo PBC FBC Tanque Verde Creek Tributary to Rillio Creek A&Ww A&Ww FBC The Lake Tank 32°54′14″/111°04″14″ FBC FBC Three R Canyon Headwaters to bottom of peronnial reach A&Ww A&Wo FBC Three R Canyon Bottom of peronnial reach to Sonoila Creek A&Wo A&Wo FBC Tinaja Wash Eastern foothills, Sierrita Mountains A&Wo A&Wo FBC Unnamed Wash (EDW) Oracle Sanitary District WWTP outfall to 5 km A&Wo A&Wo FBC	30	Spilt Tank	31°28'15"/111°05'15"		A&Ww			FBC			FC		AgL
Sygnamore Reservoir 32°20'57'/110°44'52" A&Wo A&Wo FBC Tangue Verde Creek Tributary to Rillito Creek A&Ww A&Ww FBC The Lake Tank 32°54'14'/111°04'14" A&Ww A&Ww FBC Three R Canyon Headwaters to bottom of peronnial reach A&Ww A&Wo FBC Three R Canyon Bottom of peronnial reach to Sonolia Creek A&Wo A&Wo FBC Tinaja Wash Eastern foothills, Sierrita Mountains A&Wo A&Wo PA Unusmed Wash (EDW) Oraclo Sanitary District WWTP outfail to 5 km A&Wo A&Wed PA	sc	Sutherland Wash	Tributary to Caftada del Oro			A&We			PBC				
Tanque Vende Creck Tributary to Rillito Creek A&Ww A&Ww FBC The Lake Tank 32°54*14*/111°04*14* A&Ww A&Ww FBC Three R Canyon Headwaters to bottom of perennial reach A&Ww A&Ww FBC Three R Canyon Bottom of perennial reach to Sonolia Creek A&Wo A&Wo FBC Thingle Wash Eastern foothills, Sierrita Mountains A&Wo A&Wed A Unusmed Wash (EDW) Oracle Sanitary District WVFP outfall to 5 km A&Wedw A&Wedw A	SC	Sycamore Reservoir	32°20'57"/110°44'52"	A&Wo				FBC			FC		AgL
The Lake Tank 32°54°14"/111°04°14" Three R Canyon Headwaters to bottom of peronnial reach A&Ww A&We FBC Three R Canyon Bottom of peronnial reach to Sonolia Creek A&We A&We FBC Tinaja Wash Eastern foothills, Sierrita Mountains A&We A&We Image: AAWe AAWe Unusmed Wash (EDW) Oracle Sanitary District WWIP outfall to 5 km AAWedw AAWedw AAWedw	သင	Tanque Verde Creek	Tributary to Rillito Creek		A&Ww			FBC			FC		AgL
Three R Canyon Headwaters to bottom of perenniel reach A&Ww R&We FBC Three R Canyon Bottom of perenniel reach to Sonolia Creek A&We A A Thingle Wesh Eastern foothills, Sierrita Mountains A A A Unusmed Wesh (EDW) Oracle Sanitary District WYTP outfall to 5 km A A A	သွ	The Lake Tank	32°5414"/111°004'14"		A&Ww			PBC			FC		AgL
Three R Canyon Bottom of peronniel reach to Sonolia Creek A&We A&We Thingle Wash Eastern foothille, Slerrita Mountains A&We A&Wedw Unnamed Wash (EDW) Oracle Sanitary District WWTP outfall to 5 km downstream	SC	Three R Canyon	Headwaters to bottom of perennial reach		A&Ww			FBC			5		
Tinaja Wash Eastern foothills, Sierrita Mountains A&Wo Unusmed Wash (EDW) Gracio Sanitary District WWIP outfall to 5 km downstream	သင	Three R Canyon	Bottom of perennial reach to Sonoita Creek			A&We		·	PBC				
Unuanted Wash (EDW) Oracle Sanitary District WWTP outfall to 5 km A&Wedw downstream	SC	Tinaja Wash				A&We			PBC				AgL
	သွင	Unnamed Wash (EDW)	Oracle Sanitary District WWTP outfall to 5 km downstream				A&Wedw		PBC				

Appendix B: Designated Uses of Arizona Water Bodies

BASIN	SEGMENT	LOCATION	A&Wo	A&Ww	A&We	A&Wedw	FBC	PBC	DWS	PC	AgI	AgL.
သင	Vekoj Wash	Tributary to Santa Cruz Wash			A&We			PBC	,			
သွင	Williams Ranch Tanks	31°55'15"/110°25'30"		A&Ww			PBC			FC		AgL
Sp	Aravaipa Creek	Tributary to the San Pedro River		A&Ww			FBC		DW8	FC		AgL
ďS	Babocomari Creek	Tributary to the San Pedro River		A&Ww			FBC		,	FC		AgL
SP	Bass Canyon Creek	Muleshoe Preserve		A&Ww			FBC			FC		
SP	Bess Canyon Tank	32°24'00"/110°13'00"		A&Ww			FBC			FC		AgL
SP	Blacktail Pond	Fort Huachues Military Reservation		A&Ww	٠		PBC			FC		
ďS	Booger Creek	Tributary to Aravaipa Creek		A&Ww			FBC			FC		AgL
ďS	Buchman Canyon Crook	Southeast slope, Santa Catalina Mountains		A&Ww			PBC			FC		AgL
SP	Bull Tank	32°31'15"/110°12'45"		A&Ww			FBC			FC		AgL .
SP	Carr Canyon Creek	Tributary to the San Pedro River	A&We				FBC			FC		AgL
SP	Copper Creek	Headwaters to Prospect Canyon		A&Ww			FBC			FC		√8°F
ďS	Copper Creek	Below Prospect Canyon			A&We			PBC				AgL
SP	Deor Creak	Tributary to Aravaipa Crook		A&Ww			FBC			FC		AgL
SP.	Best Gravel Pit Pand	Fort Burchuse Military Reservation		A&Ww			FBC			D.		
SP	Fly Pond	Fort Huachuca Military Reservation		A&Ww		`	FBC			FC		
SP	Fourmile Creek	Tributary to Aravaipa Creek	-	A&Ww			FBC			FC		AgL
SP	Garden Canyon Creek	Eastorn Slope, Huachuca Mountains		A&Ww			TBC		DWS	FC	Agi	
SP	Golf Course Pond	Fort Huachuoz Military Reservation		A&Ww			FBC			Σ.		·
SP	Gravel Pit Pond	Fort Huachuca Milliary Reservation		A&Ww			FBC			FC		
SP	Hidden Pond	Fort Huschuca Military Reservation		A&Ww			FBC			FC		
SP	Horse Camp Creek	Tributary to Aravalpa Creek		A&Ww			FBC			J.		AgL
SP	Hot Springs Canyon Creok	Mulashoe Preserve		A&Ww			FBC	·		FC		AgL
Sp	Lower Garden Canyon Pond	Fort Huachuca Milliary Reservation		A&Ww			TBC TBC			22		
SP	Miller Canyon Creek	Eastern Slope, Huachuca Mountains	A&Wo				FBC		DWS	FC		AgL

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MSVB	SEGMENT	LOCATION	A&Wo	A&Ww	A&Wo	A&Wedw	FBC	PBC	DWS	FC	18V	Agt.
SP	Oak Grove Creak	Tributary to Turkey Creek; Aravaipa Basin		A&Ww			FBC			FC		AgL
SP	Officers Club Pand	Fort Huachuca Military Reservation		A&Ww			78 <u>C</u>			η.		
SP	Parsons Creek	Tributery to Aravaipa Creek		A&Ww			FBC			FC		AgL
SP	Ramsey Canyon Creek	Huachuca Mountains	A&Wo				FBC		DWS	FC	Agi	AgL
SP	Rattlesnake Canyon	Tributary to Aravaipa Creek		A&Ww			PBC			FG		AgL
ďS	Redsield Canyon Creek	Southwest stope, Galturo Mountains		A&Ww			FBC			FC		AgL
dS	San Pedro River	U.S./Mexico Border to Redington		A&Ww			FBC			FC	γ8I	AgL
SP	San Pedro River	Redington to the Gila River		A&Ww			FBC			FC		AgL
SP	Swamp Springs Canyon Creek	Muleshoo Preserve		A&Ww			FBC			FC D		
ЗЪ	Sycamore Pond I	Fort Hunchuca Military Reservation		A&Ww	·		PBC			77		
SP	Sycamore Pond II	Fort Huschuca Military Reservation		A&Ww			FBC					
SP	Turkey Creek	Tributary to Aravalpa Creek		A&Ww			FBC			J.	Agl	AgL
SP	Virgus Creek	Tributary to Aravaipa Creek		A&Ww			FBC			J.		AgL
ďS	Walnut Gulch (EDW)	Tombatone WWTP outfall to the confluence of Tombatone Guich	·			A&Wedw		PBC				
SP	Woodcutters Pond	Fort Huschuca Military Reservation		A&Ww			FBC			ည		
SR	Ackre (Judge) Lake	33°37'00"/109°20'37"	A&Wo				FBC			FC	AgI	AgL
SR	Apache Lake	33°35'30"/111°20'30"	A&Wo				PBC		DWS	55	νŝι	Agr
SR .	Barnhardt Creek	Tributary to Rye Creek; Mazatzai Wildemess		A&Ww			FBC			5		AgL
SR	Basin Lake	33°55'00"/109°26'05"		A&Ww			PBC			E E		AgL
SR	Bear Creek	Tributary to the Black River	A&Wo	·			FBC			FC	Agi	AgL
SR	Bear Wallow Creek	Tributary to the Black River	A&Wo				FBC			FC	ygi	AgL
SR.	Bear Wallow Creek, North Pork	Tributary to Bear Wallow Creek	A&Wo				PBC			55		AgL
S.	Bear Wallow Creek, South Fork	Tributary to Bear Wallow Creek	A&Wo				FBC			FC		AgL
SR	Beaver Creek	Tributary to the Black River	A&Wo				IBC	ᅦ		E	Agī	AgL

Appendix B: Designated Uses of Arizona Water Bodies

BASIN	SEGMENT	LOCATION	A&Wo	A&Ww	A&We	A&Wedw	PBC	PBC	DWS	FC	ν®Ι	Ag L
SR	Big Lake	33°52'45"/109°25'00"	A&Wc				PBC		DWS	J.	Agi	AgL
88	Black River	Tributary to the Salt River	A&Wo				FBC		DWS	FC	Ιĝγ	AgL
SR	Black River, East Pork	Tributary to the Black River	A&Wo				FBC		DWS	7.	Agi	AgL
æ	Black River, N Pork of E Fork	Tributary to Black River, Bast Pork	A&We				FBC		DWS	D.	Agi	AgL
SR	Black River, West Fork	Tributary to the Black River	A&Wc				FBC		DWS	D	νβι	A'8L
SR	Bloody Tanks Wash	Headwaters to Schulize Rench			A&We			PBC				AgL
SR	Bloody Tanks Wash	Schulize Ranch to Miami Wash		•	A&Wo			PBC				
æ	Boggy Creek	Tributary to the Black River	A&Wo				PBC			FC	Agi	78V
88	Boneyard Creek	Tributary to Black River, Bast Fork	A&Wc				FBC			J.	Agt	AgL
88	Boulder Creek	Tributary to LaBarge Creek		A&Ww			FBC			5		
SR	Campaign Creek	Tributary to Roosevelt Lake		A&Ww			FBC			PC		y8r
SR	Canyon Creek	Tributary to the Salt River	owa.a				FBC		DWS	ñ.	Agi	AgL
æ	Canyon Lake	33°33'15"/111°26'30"	A&Wc				FBC			5F	Agi	Agt
æ	Centerfire Creek	Tributary to the Black River	A&Wo				FBC			F.	VgI	AgL
SR	Chambors Draw Creek	Tributary to Black River, N Pork of B Fork	A&Wo				FBC			FC		AgL
SR	Cherry Creek	Tributary to the Salt River	A&Wo			-	FBC			<u>ي</u>	₽8¥	Agr
SR	Christopher Creek	Tributary to Tonto Creek	A&Wc				FBC			5	18V	AgL
SR	Cold Spring Canyon Creek	Tributary to Cherry Creek	A&Wo				FBC			FC.	7	Ī
SR	Conklin Creek	Tributary to the Black River	A&Wc				PBC			FC	18v	AgL
SR	Coon Creek	Sait River Canyon Wildemeas Area	A&Wc	;			FBC			EC.		Agl.
æ	Corduroy Creek	Tributary to Fish Creek, Apache National Forest	A&Wo				FBC			FC	Agi	AgL
SR	Coyote Creek	Tributary to the Black River, East Pork	A&We				FIBC			ည့	184	AgL
SR	Crescent Lake	33°54'36"/109°25'08"	A&Wo				FBC			22	18V	AgI
æ	Deer Creek	Tributary to the Black River, Baat Pork	A&Wo				FBC			Σ.		Agi
SR	Del Shay Creek	Tributary to Gun Creek, Del Shay Basin		A&Ww			PBC			J.	\exists	AgL

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Appendix B: Designated Uses of Arizona Water Bodies

BASIN	SEGMENT	LOCATION	A&Wo	A&Ww	A&Wo	A&Wedw	FBC	PBC	DWS	FC	Agī	AgL
SR	Devils Chasm Creek	Tributary to Cherry Creek	A&Wo				FBC			P.C		
SR	Dipping Vat Reservoir	33°55'54"/109°25'15"		A&Ww			FBC			5		AgL
æ	Double Clenega Creek	Tributary to Fish Creek	A&Wo				PBC			P.C.		AgL
æ	Fish Creek	Tributary to the Black River	A&Wo				FBC		·	5	AgI	AgL
æ	Rish Creek	Supersition Wildemess Area		A&Ww			PBC			<u>ည</u>		
æ	Gold Creek	Tributary to Tonto Creek		A&Ww			T.B.C			J.		AgL
SR	Gordon Canyon Creak	Tributary to Haigler Greek		A&Ww			FBC	-		2		Agr
SR	Halgler Creek	Tributary to Tonto Creek; Hellegate Wilderness	A&Wo				FBC			2	18V	AgL
SR	Hennsgan Creek	Tributary to Beaver Creek	A&Wo				FBC			J.		Agt
æ	Hay Creek	Tributary to the Black River, West Pork	A&Wo				FBC			잂	1	AgL
S.S.	Home Creek	Tributary to the Black River, West Fork	A&Wo				FBC			잂		AgL
æ	Horse Creek	Tributary to the Black River, West Pork	A&Wo				FBC			끖		AgL
S.	Horse Camp Creek	Telbutary to Cherry Creek	A&Wo				FBC			<u>ي</u>	1	AgL
SR	Horton Creek	Tributary to Tonto Creek	A&Wo	·			FBC			Σ.	78V	Agt
es.	Houston Creek	Tributary to Tonto Creek	·	A&Ww			FBC			E E		Agr
S.	Hunter Creek	Tributary to Christopher Creek	A&Wo				FBC			ည	1	AgL
SR	LaBargo Creek	Superatition Wildemess Area		A&Ww			FBC			ñ		
SS.	Lake Sierra Blanca	33°52'25"/109°16'05"	A&Wo				FBC			<u>ي</u>	γβι	AgL.
₩	Mismi Wash	Tributary to Pinal Creek			A&We			PBC				
æ	Mule Creek	Tributary to Canyon Creek	A&Wo				FBC		DWS	잂	V8I	Agr
SR	Open Draw Creek	Tributary to the Black River, Bast Fork	A&Wo				FBC			2		AgL
S.	P B Creek	Tributary to Cherry Creek	A&Wo				SE L			된		Agt
SR	Pinal Creok	Headwaters to confluence with unnamed BDW week (Globe WWTP)			A&We			PBC				AgL
SR	Pinal Creek (BDW)	Below unmmed BDW wash to Radium				A&Wedw		PBC				

Appendix B: Designated Uses of Arizona Water Bodies

Pland Creek Radiom to Safek Ranch A&We A&We PBC PC Pina Creek Safeka Ranch to Saft River AAW AAW FBC FBC FC Pina Creek Thiotatay on the Saft River AAW AAW FBC FBC FC Pacho Creek Thiotatay on the Saft River AAW AAW FBC FC FC Receveration Creek Thiotatay on the Baleck River AAW AAW FBC FC FC Receveration Creek Thiotatay on the Baleck River AAW AAW FBC FC FC Reverate Per Lake Dobson Road & Saft Street; Mean AAW AAW FBC FC FC Reverately Lake Saft Street; Mean AAW AAW FBC FC FC Reverately Lake Saft Street; Mean AAW AAW FBC FC FC Reverately Lake Saft Street; Mean AAW AAW BBC FBC FC Saguano Lake Saft Street Thioung to Greek </th <th>BASIN</th> <th>SEGMENT</th> <th>LOCATION</th> <th>A&Wc</th> <th>A&Ww</th> <th>A&We</th> <th>A&Wedw</th> <th>PBC</th> <th>PBC</th> <th>DWS</th> <th>PC</th> <th>Agi</th> <th>AgL</th>	BASIN	SEGMENT	LOCATION	A&Wc	A&Ww	A&We	A&Wedw	PBC	PBC	DWS	PC	Agi	AgL
Pinal Creek Seeka Ranch to Salt River A&Ww PRC PC Pine Creek Superatifion Wildeness Acea A&W PRC PC PC Pine Creek Tribanary to the Shit River A&W PRC PRC PC Reavis Creek Tribanary to the Black River A&W PRC PRC PC Reversite Creek Tribanary to the Black River A&W PRC PRC PC Reversite Park Lake Tribanary to the Black River A&W A&W PRC PC Recentation Creek Tribanary to the Black River A&W PRC PRC PC Recentation Creek Tribanary to the Black River A&W A&W PRC PC Recentation Creek Tribanary to Workman Creek A&W A&W PRC PC Recentation Creek Tribanary to the Shit Neer A&W A&W PRC PC Recentation Creek Tribanary to Worker River to Granite Red Dana A&W PRC PRC Salt River Tribanary to the Shit River to Granite R	SR	Pinal Creek	Radium to Serka Ranch			A&We			PBC				AgL
Fine Creek Superstition Wilderiness Aren A&We FPC FC FC Pino Creek Tributaty to the Salt River A&We PBC FC FC Reavie Creek Tributaty to fine Creek Tributaty to fine Creek FC FC FC Reavier Creek Tributaty to fine Back River A&We FBC FBC FC Recruitin Creek Tributaty to fine Back River A&We FBC FBC FC Recruitin Creek Tributaty to fine Back River A&We FBC FBC FC Recruitin Creek Tributaty to Markann Creek A&We A&We FBC FC FC Recruit Place Tributaty to Markann Creek Tributaty to Markann Creek A&We FBC FBC FC Sequence Creek Tributaty to Markann Creek Tributaty to Markann Creek A&We BBC FBC FC Sali River Tributaty to the Sali River to Grante Rec River A&We BBC FBC FC Sali River Tributaty to Tributaty to Tributaty to Tributaty to Tributaty to T	SR	Pinal Creek	Setka Ranch to Salt River		A&WW			FBC			TC.	ΙβV	AgL
Pinto Creek Tribitating to file Stift River A&We A&We FBC FC Reavis Creek Tribitating to Creek A&We A&We BBC FC FC Reavis Creek Tribitating to Rine Creek A&We BBC FBC FC FC Reservation Creek Tribitating to Rine River A&We BBC FBC FC FC Reprendict Creek Tribitating to River AC Actions, Photonix A&We BBC FBC FC FC Robert Lake 354 of Ag'7111-9915" A&We A&We BBC FC FC FC Robert Lake 354 of Ag'7111-9915" A&We A&We BBC FC	SR	Pinc Creek			A&Ww			FBC			FC		
Pueblio Carayon Creek Tributary to Cheary Creek Takbuary to Creek A&We PBC FC FC Reavis Creek Tributary to Pine Creek Tributary to Pine Creek TA&We PBC FG FC Reservation Creek Tributary to Workman Creek A&We PBC FBC FC Representation Creek Tributary to Workman Creek A&We A&We FBC FC Representation Creek Tributary to Workman Creek A&We A&We FBC FC Representation Park Lake 33-40-45-711-90-15* A&We A&We FBC FC Representation Lake 33-40-45-711-90-15* A&We A&We FBC FC Segunto Lake Tributary to Tonic Creek Tributary to the Salt River A&We A&We FBC FC Salt River Tributary to the Salt River A&We A&We BBC DWS FC Salt River Tributary to the Salt River CEDmin to the Salt River A&We A&We BBC DWS FC Salt River Trib	SR	Pinto Creek			A&Ww			FBC			FC	AgI	AgL
Reservation Creek Tributary to Pine Creek A&We PBC FBC FC Reservation Creek Tributary to the Black River A&We PBC FBC FC Reynolds Creek Tributary to Workman Creek A&We A&We FBC FC Revenides Creek 304 Street & Cactus; Phoenix A&We PBC FBC FC Redefining Park Lake 304 Street & Cactus; Phoenix A&We A&We FBC FC FC Redefining Park Lake 304 Street & Cactus; Phoenix A&We A&We FBC FC FC Resoluting Park Lake 304 Street & Cactus; Phoenix A&We A&We FBC FC FC Sagenuc Lake Tributary to Tonic Creek A&We A&We FBC FBC FC Salu River Tributary to Tonic Creek AAWe AAWe FBC FBC FC Salt River Tributary to Onto Creek Tributary to Confluence of Verde River to Gratifie Reef Dam AAWe FBC FBC FC Salt River Tribu	SR	Pueblo Canyon Creek		A&Wc		,		FBC			2		AgL
Responsibility Creek Tibbulary to the Black River A&Wc PBC PBC PC Reynolds Creek Tribulary to Workman Creek A&Wc A&W PBC PC PC Revenides Creek Soft Street & Cardust; Phoenix A&W A&W PBC PC PC Readmanner Park Lake 35-40-05-111-090-15* A&W A&W PBC PC PC Resolutioner Park Lake 37-40-05-111-1090-15* A&W A&W PBC PC PC Resolutioner Park Lake 37-40-05-111-1200-15* A&W A&W PBC PC PC Solutioner Creek Tribulary to Total Creek Tribulary to Total Creek A&W PBC PC PC Solutioner Creek Tribulary to Total Creek Tribulary to Total Creek A&W PAC PBC PC PC Solut River Total Creek Tribulary to Total Creek AAW AAW PBC PBC PC Solut River Total Creek Tribulary to Total Creek Tribulary to Total Creek AAW	SR	Reavis Creek			A&Ww		:	FBC			EC.		
Reynolds Creek Tributary to Workman Creek A&We PEC PEC PC Riverview Park Lake 3640 Street & Cacust; Phoenix A&We A&We PBC PBC PC Roadrammer Park Lake 3640 Street & Cacust; Phoenix A&We PBC PBC PC PC Roadrammer Park Lake 37-40-45*/111*09*15** A&We PA&We PBC PBC PC PC Roaceveit Lake Tributary to Total Sat River A&We A&We PBC PBC PC PC Saginare Lake Tributary to the Sat River A&We A&We PBC PBC PC PC Salt River Above Roacevelt Lake A&We A&We PBC PBC PC PC Salt River Above Roacevelt Lake AAWe A&We PBC PBC PC PC Salt River Tributary to the Salt River to Granite Reef Dam to 1:10 bridge AAWe AAWe PBC PBC PBC PC Salt River Tributary to Tonito Creek AAWe	SR	Reservation Creek		A&Wc				FBC			FC	VBI	AgL
Richard Rade Dubson Road & Bib Street, Mesa A&Ww PBC FC FC Roadrammer Park Lake 361h Street & Cactus; Phounix A&Ww A&Ww FBC PBC FC Roadrammer Park Lake 33-340-43-7111-09-13* A&Ww A&Ww FBC DWS FC Saganato Lake 33-340-07-111-32-06* A&Wc A&Ww FBC FBC FC FC Saganato Lake Tribulanty to the Salt River A&Wc A&Ww FBC FBC FC FC Salt River Above Roasevelt Lake A&Wc A&W BBC FBC FC FC Salt River Above Roasevelt Lake A&Wc A&W BBC FBC FC FC Salt River Tribulanty to the Salt River to Grantle Reef Dam to I-10 bridge A&Wc A&Wc BBC BBC FC FC Salt River (EDW) Tribulanty to Tonito Creek Tribulanty to Tonito Creek A&Wc A&Wc BBC FC FC Spring Creek Tribulanty to the River River, West Furk	SR	Reynolds Creek		A&Wc				FBC			ည		AgL
Roadrumer Park Lake 304 Street & Cactus; Phoenitk A&Ww PBC PBC FC Roosevelt Lake 33°40'45"/111"920'15" A&Ww A&Ww FBC DWS FC Rye Creek Tribulary to Totalo Creek A&Wc A&Wc BBC BBC FC Sagurato Lake Tribulary to the Salt River A&Wc A&Wc BBC BBC FC Salt River Above Roosevelt Lake A&Wc A&Wc BBC BBC FC Salt River Theodore Roosevelt Dam to the Verde River A&Wc A&Wc BBC DWS FC Salt River Confluence of Verde River to Granite Reef Dam L10 bridge AAWc BBC BBC FBC FC Salt River L10 bridge to the 23rd Ave WWTP outfall to confluence with Gila A&Wc A&Wc BBC BBC FBC FBC FC Salt River L10 bridge to the 23rd Ave WWTP outfall to confluence with Gila A&Wc BBC BBC FBC FC Spring Creek Tribulary to the Black River, West Fonk A&	SR	Riverview Park Lake	Dobson Road & 8th Street; Mesa		A&Ww	٠			PBC		FC		
Rosevelt Lake A&Ww A&Ww PBC DWS FC Saguaro Lake Tributaty to Tonio Creek A&Ww A&Ww FBC DWS FC Saguaro Lake Tributaty to the Salt River A&Wc A&W PBC PBC FC Salt River Ahove Roosevelt Lake A&Ww A&Ww PBC PBC FC Salt River Tileodore Roosevelt Dam to the Verde River A&W A&W PBC DWS FC Salt River Confluence of Verde River to Granite Reef Dam A&W A&W PBC DWS FC Salt River Li O bridge to the 23rd Ave WYFP outfall A&W A&W PBC PBC FC Salt River (BDW) River, Tributary to Tonio Creek A&W A&W PBC PBC FC Spiring Creek Tributary to Tonio Creek A&W A&W BBC PBC FC Spiring Creek Tributary to the Black River, West Foak A&W BBC BBC FC FC Shinky Creek	SR	Roadrunner Park Lake	36th Street & Cactus; Phoenix		A&Ww				PBC		FC C		
Rye Creek Tributary to Tonto Creek A&We A&We FBC FBC FC Saguaro Lake Tributary to The Salt River A&We A&We FBC FBC DWS FC Salt River Thibutary to the Salt River to Granite Reef Dam to the Verde River to Granite Reef Dam A&We A&We FBC DWS FC Salt River Salt River Lit Obridge to the 23rd Ave WWTP outfall to confluence with Gila A&We A&We PBC DWS FC Salt River (EDW) Lit Obridge to the 23rd Ave WWTP outfall to confluence with Gila A&We A&We PBC PBC FC Salt River (EDW) Tributary to Tonto Creek A&We A&We PBC PBC FC Spring Creek Tributary to Tonto Creek A&We A&We FBC PBC FC Spring Creek Tributary to The Black River, West Foak A&We FBC FBC FC Spring Creek Tributary to the Black River, West Foak A&We FBC FBC FC Shinky Creek Tributary to the Black River, West Foak	SR	Roosevelt Lake			A&Ww			FBC		DWS	5F	Agl	AgL
Saginato Lake 33°34'00'111"22'06" A&We PBC PBC DWS FC Salut River Salit River Tribulary to the Salit River Caralle Rede Dam A&We PBC PBC PBC PFC Salit River Theodore Roosevelt Dam to the Verde River to Granite Rede Dam A&We PBC PBC <td>SR</td> <td>Rye Creek</td> <td>Tributary to Tonto Creek</td> <td></td> <td>A&Ww</td> <td></td> <td></td> <td>FBC</td> <td></td> <td></td> <td>FC</td> <td></td> <td>AgL</td>	SR	Rye Creek	Tributary to Tonto Creek		A&Ww			FBC			FC		AgL
Salt River A&Wc A&Wc PBC PBC FC Salt River Salt River Thicodore Roosevelt Lake A&Wc A&Wc PBC PBC PC Salt River Salt River Confluence of Verde River to Granite Reef Dam to 1-10 bridge A&Wc A&Wc PBC PBC PC Salt River 1-10 bridge to the 23rd Ave WWTP outfall to confluence with Gila A&Wc A&Wc PBC PBC PC Salt River (EDW) 23rd Ave WWTP outfall to confluence with Gila A&Wc A&Wc PBC PBC PC Spring Creek Tributary to Tonto Creek A&Wc A&Wc PBC PBC PC Spring Creek Tributary to the Black River, West Fourk A&Wc PBC PBC PC Thomas Creek Tributary to the Black River, West Fourk A&Wc PBC PBC PC Thomas Creek Tributary to the Black River, West Fourk A&Wc PBC PBC PBC PC Thomas Creek Tributary to the Black River, West Fourk AAWc PBC PBC	æ	Saguaro Lake	33°34'00"/111°32'06"	A&Wc				FBC		DWS	FC	ΛgΙ	AgL
Salt River Akbove Roosevelt Lake Akbove Akbove FC FC FC Salt River Tileodore Roosevelt Lake Tileodore Roosevelt Dam to the Verde River to Granite Reef Dam Akbove FBC FBC DWS FC Salt River 2 km below Granite Reef Dam to I-10 bridge Akbove Akbove FBC FBC FC Salt River 1-10 bridge to the 23rd Ave WWTP outfall to confluence with Gila Akbove Akbove FBC FBC FC Salt River (BDW) Tributary to Tonto Creek Tributary to Tonto Creek Akbove BBC FBC FC Spring Creek Tributary to the Black River, Weet Foak Akbove FBC FBC FC Thomas Creek Tributary to the Black River, Weet Foak Akbove FBC FBC FC Thomas Creek Tributary to the Black River, Weet Foak Akbove FBC FBC FC Thomas Creek Tributary to the Black River, Weet Foak Akbove FBC FBC FC	SR	Salome Creek	Tributary to the Salt River	A&Wc				PBC			FC	γgΙ	AgL
Salt River Confluence of Verde River to Granite Reef Dam A&We PBC PBC DWS FC Salt River Salt River 2 km below Granite Reef Dam to 1-10 bridge A&We A&We PBC PBC PBC FC Salt River 1-10 bridge to the 23rd Ave WWTP outfall to confluence with Gila River (EDW) A&We A&We PBC PBC FC FC Slate Creek Tributary to Tonto Creek A&We A&We PBC PBC FC FC Spring Creek Tributary to Tonto Creek A&We A&We FBC FBC FC FC Shinky Creek Tributary to the Black River, West Fourk AAWe FBC FBC FC FC Thomas Creek Tributary to the Black River, West Fourk AAWe FBC FBC FC FC	SR	Salt River	Above Roosevelt Lake		A&Ww			PBC			ည	AgI	AgL
Salt River Confluence of Verde River to Granite Reef Dam to I-10 bridge A&Ww A&We PBC PBC PC Salt River Salt River 1-10 bridge to the 23rd Ave WWTP outfall to confluence with Gila Salt River (EDW) A&Ww A&Ww A&Ww PBC PBC PC Salt River (EDW) Tributary to Tonto Crock A&We A&Ww PBC PBC PC Spring Creek Tributary to Tonto Crock A&Wc A&Wc PBC PBC PC Stinky Crock Tributary to the Black River, West Fork AAWc PBC PBC PC Thomas Crock Tributary to the Black River, West Fork AAWc PBC PBC PC	SR	Salt River	Theodore Roosevelt Dam to the Verde River	A&Wc				PBC		DWS	FC	Agi	AgL
Salt River 1-10 bridge to the 23rd Ave WWTP outfall A&Ww A&Wedw PBC FC Salt River 23rd Ave WWTP outfall to confluence with Gila River A&Ww A&Ww A&Wedw PBC FC Slate Creek Tributary to Tonto Creek Tributary to Tonto Creek A&Wc BC FBC FC Shrinky Creek Tributary to the Black River, West Fork A&Wc A&Wc FBC FC Thomas Creek Tributary to the Black River, West Fork AAWc FBC FC FC	SR	Saft River	Confluence of Verde River to Granite Reef Dam		A&Ww			PBC		DWS	P.C	Agi	AgL
Salt River 1-10 bridge to the 23rd Ave WWTP outfall to confluence with Gila Salt River (EDW) A&Wedw A&Wedw PBC PC Salt River (EDW) Tributary to Tonto Creek Tributary to Tonto Creek A&We PBC PBC PC Spring Creek Tributary to Tonto Creek A&We A&We PBC PC PC Stinky Creek Tributary to the Black River, West Fork AAWe PBC PC PC Thomas Creek Tributary to Braver Creek Tributary to Braver Creek Tributary to Braver Creek PC PC	SR	Saft River	2 km below Granite Reef Dam to I-10 bridge			A&Wc			PBC				***************************************
Salt River (EDW) 23rd Ave WWTP outfall to confluence with Gila A&Wed A&Wed PBC PC Slate Creek Tributary to Tonto Creek Tributary to Tonto Creek A&Wc PBC PC PC Spring Creek Tributary to Tonto Creek Tributary to Tonto Creek A&Wc PBC PC PC Stinky Creek Tributary to the Black River, West Fork AAWc PC PC PC Thomas Creek Tributary to Beaver Creek Tributary to Beaver Creek AAWc PA PC PC	SR		1-10 bridge to the 23rd Ave WWTP outfall		A&Ww				PBC		ಬ		
State Creek Tributary to Tonto Creek A&Wo PBC PBC Spring Creek Tributary to Tonto Creek A&We FBC FBC Stinky Creek Tributary to the Black River, West Fork A&We FBC FBC Thomas Creek Tributary to Beaver Creek FBC FBC FBC	SR	Salt River (EDW)	23rd Ave WWTP outfall to confluence with Gila River,				A&Wedw	·	PBC		5 S	Agī	AgL
Spring Creek Tributary to Tonito Creek A&Wc PBC Stinky Creek Tributary to the Black River, West Fork A&Wc FBC Thomas Creek Tributary to Beaver Creek Tributary to Beaver Creek FBC	SR	Slate Creek	Tributary to Tonto Creek		A&Ww		,	FBC			PC		AgL
Stinky Creek Tributary to the Black River, West Fork A&Wc FBC Tributary to Beaver Creek A&Wc FFBC	SR	Spring Creek		A&Wc				FBC			<u>ي</u>		AgL
Thomas Creek Tributary in Beaver Creek AAWE FIRE	SR	Stinky Creek		A.R.Wc				LIBC			Σ.		AgL
	SR	Thomas Creek		A&WC				Finc			77		Agt

Appendix.B: Designated Uses of Arizona Water Bodles

BASIN	SEGMENT	LOCATION	A&Wc	A&Ww	A&We	A&Wedw	FBC	PBC	DWS	FC	1gv	AgL
SS	Thompson Creek	Tributary to the Black River, West Pork	A&Wc				FBC					AgL
SR	Tonto Creek	Tributary to Roosevelt Lake	Λ&Wc				PBC			FC	Agl	AgL
88	Turkey Creek	Tributary to Rock Creek; Sierra Aucha Mins		A&Ww			PBC			FC		
SS S	Unnamed Wash (EDW)	Globe WWTP outfall discharge to Pinal Creek				A&Wedw		PBC				
æ	Wildcat Creek	Tributary to Centerfire Creek	A&Wc				FBC			РC		AgL
SS.	Willow Creek	Tributary to Beaver Creek	A&Wc			·	FBC			5		AgL
æ	Workman Creek	Tributary to Salome Creek	Λ&Wc				FBC		DWS	. S	AgI	AgI.
90	Apache Creek	Tributary to the Glia River		A&Ww			PBC			ည		AgL
90	Ash Creek	Tributary to the Glia River	A&Wc				PBC			ည့		AgL
20	Bennett Wash (EDW)	ADOC: Safford WWTP outfall to the Gifa River				A&Wedw		PBC				
90	Bitter Creek	Tributary to the Gila River		A&Ww				PBC		FG C		
ng	Blue River	Tributary to the San Francisco River	A&Wc				FBC			ည	Agi	AgL
ΩQ	Bonita Creek (U)	San Carlos Indian Reservation to the Glia River		A&Ww			FBC		DWS	고		Agl.
ទ្ធ	Buckalou Creek	Tributary to Castle Creek	A&Wc				PBC			5		AgL
90	Campbell Blue Creek	Tributary to the uppor Blue River	A&Wc				FBC			Σ.		AgL
ng	Castle Creek	Tributary to Campbell Blue Creek	A&Wc				FBC			요		AgL
OUG	Cave Creek	Eastern slope, Chiricanua Mountains	A&Wc				PBC			P.C	Agi	AgL
UG	Cave Creek, South Pork	Tributary to Cave Creek; Chiricalua Mins	A&Wc				FBC			5	VgI	AgL
UG	Chase Creek	Headwaters to the Phelps-Dodge Morenci Mine		A&Ww			PBC			22		AgL
ng .	Chase Creek	Below Pitelps-Dodge Morenci Mine			A&We			PBC				Ī
DO	Chitty Canyon Creek	Tributary to Salt House Creek	A&Wc				FBC			ည		AgL
UG	Cina Creek	Tributary to Cave Creek; Chiricalua Mins	A&Wc				PBC			5		AgL
ua	Cluff Ranch Pond #1	32°48'55"/109°49'15"		A&Ww			PBC			ည	Agi	Agl
UG	Cluff Ranch Pond #2	32°49'15"/109°50'33"		A&Ww			FBC			2 <u>C</u>	Agi	AgL
UG	Cluff Ranch Pond #3	32°48'20"/109°51'43"		A&Ww			PBC			5	AgI	AgL

Appendix B: Designated Uses of Arizona Water Bodies

BASIN	SEGMENT	LOCATION	A&Wc	A&Ww	A&We	A&Wedw	FBC	DBG	DWS	FC A	Ag!	AgL
ΩG	Coleman Creek	Tributary to Campbell Blue Creek	A&Wc				FBC			FC		AgL
90	Dankworth Ponds	32°43'15"/109°42'15"	A&Wc				FBC			<u>2</u>		
ΩG	Deadman Canyon Creek	Tributary to the Gila River	A&Wc				FBC		DWS	٦ <u>.</u>		AgL
ΩG	Devils Canyon	Tributary to Mineral Creek		A&Ww			FBC			FC		
90	Bagle Creek	Tributary to the Gila River; below Clifton	A&Wc				PBC		DWS	FC	/ IgA	AgL
ρΩ	East Bagle Creck	Tributary to Bagle Creek	A&Wc				FBC			FC		AgL
UG	East Turkey Creek	Bastern slope, Chiricahua Mountains	A&Wc				FBC			FC		AgL
ρΩ	Evans Pond	32°49'15"/109°51'15"		A&Ww			FBC			<u>ي</u>		
οn	Fishhook Creek	Tributary to the upper Blue River	A&Wc				FBC			FC		AgL
ρΩ	Foote Creek	Tributary to the upper Blue River		A&Ww			PBC			<u>ي</u>		AgL
ng	Prye Creek	Eastern slope, Pinaleno Mouniains	A&Wc				FBC			DE		AgL
9n	Frye Mesa Reservoir	32°45'13"/109°50'00"	A&Wc				PBC		DWS	55 5		
ĐΩ	Gibson Creek	Tributary to Marijilda Creek	A&Wc				FBC			FC		AgL
ng	Gila River	New Mexico border to the San Carlos Indian Reservation		A&Ww			FBC			FC A	Agi	ΛgL
92	Grant Creek	Tributary to the upper Blue River	A&Wc				FBC			Э.		AgL
nc	Judd Lake	33°51'15"/109°09'15"	A&Wc				FBC			TC .		Ī
ng	K P Creek	Tributary to the upper Blue River	A&Wc				FBC		DWS 1	FC		AgL
ne	Lanphier Canyon Creek	Tributary to the upper Blue River	A&Wc				PBC		7]C	$\stackrel{\checkmark}{\dashv}$	AgL
ĐΩ	Little Blue Creek	Tributary to the upper Blue River		A&Ww			FBC		-	FC	<u> </u>	AgL
ĐĄ	Little Creek	Tributary to the San Francisco River	A&Wc				FBC			FC		
9n	Lower George's Reservoir	Near Alpine	A&Wc				PBC	_		٦ <u>٢</u>	4	AgL
on O	Luna Lake	33°49'45"/109°05'15"	A&Wc			·	PBC			<u>ار</u>	4	AgL
90	Marijilda Creek	Tributary to the Gila River	A&Wc		·		PBC			FC Agi		AgL
UG	Markham Creek	Tributary to the Glia River	-	A&Ww			FBC			FC	$\stackrel{\checkmark}{-}$	AgL

Appendix B: Designated Uses of Arizona Water Bodies

BASIN	SEGMENT	LOCATION	A&Wc	A&Ww	A&We	A&Wedw	FBC	PBC	DWS	rc rc	Agl	AgL
ng	Pigeon Creek	Tributary to the lower Blue River		A&Ww			FBC			5		AgL
ng	Raspberry Creek	Tributary to the upper Blue River		A&Ww			PBC			<u>ي</u>		
DO	Roper Lake	32°45'20"/109°42'11"		A&Ww	-	***************************************	FBC			FC		
DO	San Francisco River	Headwaters to the New Mexico border	A&Wc				FBC			ည	Agi	AgL
ng	San Francisco River	New Mexico border to the Gila River		A&Ww			FBC			FC	AgI	AgL
90	San Simon River	Tributary to the upper Gila River			Λ&We			PBC				AgL
ng	Sheep Tank	32°46'15"/109°48'08"		A&Ww			PBC			FC		AgL
. UG	Smith Pond	32°49'09"/109°50'26"		A&Ww			нвс	·		<u>Б</u>		
UG	Squaw Creek	Tributary to Thomas Creek		A&Ww			FBC			<u>۲</u>		AgL
ΩG	Stone Creek	Tributary to the San Francisco River	A&Wc				FBC			FC	AgI	AgL
ng	Strayhorse Creek	Tributary to the Blue River	A&Wc				FBC			ည		
UG	Thomas Creek	Tributary to the upper Blue River		A&Ww			FBC			ಬ		AgL
ρΩ	Tinny Pond	33°47'49"/109°04'23"		A&Ww			FBC			FC		AgL
οΩ	Turkey Creek	Tributary to Campbell Blue Creek	A&Wc				FBC			ည		AgL
UG	Unnancd Wash (EDW)	ADOC-Globe WWTP outfall to the San Carlos Reservation				A&Wedw		PBC				
ga	Walnut Canyon Creek	Tributary to the upper Gila River		Λ&Ww			FBC			FC		
ga	White Canyon Creek	Tributary to Walnut Canyon Creek		A&Ww			FBC			<u>ج</u>		
۷R	American Gulch	Headwaters to the Northern Gita County Sanitary District WWTP outfall (Payson)		A&Ww			PIDC			맖	Agi	Agl.
Y.	American Gulch (EDW)	Northern Gila County Sanitary District WWTP outfall (Payson) to the East Verde River	·			A&Wedw		PBC				
VR	Apache Creek	Tributary to Walnut Creek		A&Ww			PBC		-	TC		AgL
VR	Ashbrook Wash	Headwaters to the Ft McDowell Reservation			A&We			PBC				
VR	Aspen Creek	Near Prescoit		A&Ww			FBC			ည		
VR	Bar Cross Tank	35°00'40"/112°05'34"		A&Ww			FIRC			<u>ال</u>		Agl.
												į

Appendix B: Designated Uses of Arizona Water Bodles

BASIN	SEGMENT	LOCATION	A&Wc	A&Ww	A&We	A&Wedw	PBC	PBC	DWS	J.	AgI	AgL
VR	Barrata Tank	35°02'43"/112°24'17"		A&Ww			FBC			ည		AgL
VR	Banlett Lake	33°49'00"////1037'45"		A&Ww			FBC		DWS	ည	Agi	AgL
VR	Beaver Creek	Tributary to the Verde River	A&Wc				FBC			5		AgL
VR	Big Clino Wash	Tributary to Sullivan Lake			A&We			PBC				AgL
VR	Bitter Creek	Headwaters to the Jerome WWTP outfall discharge		A&Ww				PBC		ñ		AgL
VR	Bitter Creek (BDW)	Jerome WWTP outfall discharge to 2.5 km downstream				A&Wedw		PBC				
VR	Biner Creek	Below 2.5 km downstream of the Jerome WWTP outfall discharge		A&Ww			FBC			٦.	Agi	AgL
V.	Black Canyon Creek	Mingus Mountains		A&Ww			FBC			FC		AgL
VR	Bonita Creek	Tributary to Perley Creek; Tonto National Porest	A&Wc			-	FBC		DWS	FC		
ΥR	Bray Creek	Tributary to Webber Creek		A&Ww			FBC			FC		AgL
VR	Carter Tank	34°52'27"112°57'28"		Λ&Ww			FBC			<u>ي</u>		AgL
VR	Chase Creek	Tributary to the Bast Verde River	A&Wc				FBC		DWS	E S	7	
ΛR	Clover Creek	Tributary to leadwaters of West Clear Creek	A&Wc				FBC			FC		AgL
V.	Dead Horse Lake	34°45'00"/112°00'30"	A&Wc				FBC			Σ <u>.</u>		
VR	Deadman Creck	Tributary to Horseshoe Reservoir		A&Ww			FBC			FC		AgL
VR	Del Rio Dam Lake	34°48'55"/112°28'00"		A&Ww			FBC			55		AgL
VR	Dry Beaver Creek	Tributary to Beaver Creek		A&Ww			PBC			FC	AgI	AgL
Y.	Dude Creek	Tributary to the East Verde River	Λ&Wc				FBC			<u>ي</u>	AgI	AgL
VR	East Verde River	Tributary to the Verde River	A&Wc				FBC		DWS	F.	ΛgΙ	AgL
VR	Ellison Creek	Tributary to the East Verde River	A&Wc				FBC			PC		AgL
VR	Possil Creek	Tributary to the Verde River		A&Ww			FBC			<u>Б</u>		AgL
VR	Possil Springs	34°25'24"/111°34'25"		A&Ww			FBC		DWS	<u>ي</u>		
VR	Foxboro Lake	34°53'48"/111°40'00"		A&Ww			FBC			단	\dashv	AgL

Appendix B: Designated Uses of Arizona Water Bodles

Fly Lake 33°03°43°111°48°02° A&Ww Fly Lake Frotest Tribiumry to the Verde River; Present National A&Wc A&Ww Garrett Tank 34°39°55°1112°42°16° A&Wc	BASÍN	SEGMENT	LOCATION	A&Wc	Λ&Ww	A&We	A&Wedw	PBC	PBC	SMG	D.	AgI	AgL
Gap Creek Tributary to the Verde River; Presont National A&We Porest	X.	Pty Lake	35°03'45"/111°48'02"		Á&Ww			PBC			FC		AgL
Galdwarer Lake, Lower 34-29/58/11/2-20/58* A&We A&We Goldwarer Lake, Lower 34-29/58/11/2-20/58** A&We A&We Goldwarer Lake, Upper 34-29/51/11/2-20/58** A&We A&We	X.	Gap Creek	Tributary to the Verde River; Prescott National Forest	A&Wc				FBC			FC		AgL
Goldwarer Lake, Lower 34*29/53/11/2*20/53* A&Wc Goldwarer Lake, Upper 34*29/31/11/2*20/53* A&Wc Gonnie Besin Lake 34*3701/11/2*42/16* A&Ww Geanie Creek Tributary to the Verde River A&Ww Helter Tank 35*20/28/11/2*40/6* A&Ww Helt Canyon Tank 35*20/28/11/2*40/6* A&Ww Helt Canyon Tank 35*20/28/11/2*40/6* A&Ww Honestend Tank 35*20/28/11/2*20/6* A&Ww Honestend Tank 35*21/23/11/2*40/6* A&Ww Honestend Tank 35*21/23/11/2*40/6* A&Ww Honestend Tank 35*21/23/11/2*40/6* A&Ww Honestend Tank 35*21/23/11/2*40/6* A&Ww J.D. Dan Lake 35*20/01/11/2*20/46* A&Ww Lime Creek Tributary to the Verde Ruser Creek A&Wc Metallan Reservoir 35*31/2*11/2*11/2*20/2* A&Ww Metallan Reservoir 35*31/2*11/2*11/2*20/2* A&Wc Ook Creek (U) Tributary to the Verde Ruser A&Wc Ook Creek (U) Tributary to the Verde Ruser A&Wc Preck & Lake 34*360/2*111/2*02/30* A&Wc Prekins Tank 35*06/2*111/2*02/30* A&Wc Prekins Tank Tributary to the East Verde Ruser Tributary to the East Verde Ruser A&Wc Tributary to the East Verde Ruser Tributary to the East Verde Ruse	VR	Garrett Tank	35°18'57"/112°42'16"		A&Ww			PBC			I ^C C		AgL
Grantie Basin Lake 34°351°1112°2653° A&We	VR	Goldwater Lake, Lower	34°29'55"/112°27'18"	A&Wc				FBC		DWS	FC		
R Grante Basin Lake 34°3701′/112°42′16° A&Ww R Grante Creek Tributary to the Verde River A&Ww R Helfer Tank 35°20′28′/112°24′06° A&Ww R Helf Canyon Tank 35°20′28′/112°24′06° A&Ww R Helf Canyon Tank 35°21′23′/112°24′06° A&Ww R Honestead Tank 35°21′23′/112°24′06° A&Ww R Honestead Tank 35°21′23′/112°24′06° A&Ww Horse Park Tank 33°50′00′/111°42′30° A&Ww J.D. Dann Lake 35°00′/111°42′30° A&Ww Jacks Canyon Wash (EDW) Big Park WWTP outfall to Dry Beaver Creek A&Ww Linne Creek Tributany to Horeshoe Reservoir A&Ww Adellan Reservoir 35°13′15′/112°17′35° A&Ww Modelalan Reservoir 35°13′15′/112°17′35° A&Ww Oak Creek (U) Tributany to the Verde River A&Wc Oak Creek (U) Tributany to Oak Creek A&Wc Peck 's Lake 34°40′112′111°37′72° Peck 's Lake 34°40′12″112°20′230° Peck 's Lake Tributany to the East Verde River Tributany	VR	Goldwater Lake, Upper	34°29'51"/112°26'55"	A&Wc				PBC		DWS	PC		
Helifer Tank 35°20'28'1112°32'56" A&Ww Helifer Tank 35°20'28'1112°32'56" A&Ww Helifer Tank 35°21'32'1112°32'56" A&Ww Honestead Tank 35°21'32'1112°41'32" A&Ww Honestead Tank 35°21'32'1112°41'32" A&Ww Honestead Tank 33°35'00'11111°42'30" A&Ww Honestead Tank 33°35'00'111112°01'40" A&Ww J.D. Dani Lake 33°30'40'1'1112°01'40" A&Wc J.D. Dani Lake Tank Tribulary to Horeshoe Reservoir A&Ww Md.Lallan Reservoir 35°12'1112°17'35" A&Ww Md.Lallan Reservoir 35°12'1112°17'35" A&Ww Oak Creek (U) Tribulary to the Verde River A&Wc Oak Creek (U) Tribulary to Oak Creek A&Wc Oak Creek (U) Tribulary to Oak Creek A&Wc Peck's Lake 34°36'02''1112°2'30" A&Wc Peck's Lake 34°36'02''1112°02'30" A&Wc Perkins Tank 35°06'42''112''01'00'' A&Wc Perkins Tank Tribulary to the Bast Verde River A&Wc Perkins Tank Tribulary to the Bast Verde River A&Wc Perkins Tank Tribulary to the Bast Verde River A&Wc Perkins Tank Tribulary to the Bast Verde River A&Wc Perkins Tank Tribulary to the Bast Verde River A&Wc Perkins Tank Tribulary to the Bast Verde River A&Wc Perkins Tank Tribulary to the Bast Verde River A&Wc Perkins Tank Tribulary to the Bast Verde River A&Wc Perkins Tank Tribulary to the Bast Verde River A&Wc Perkins Tank Tribulary to the Bast Verde River A&Wc Perkins Tank Tribulary to the Bast Verde River A&Wc Perkins Tank Tribulary to the Bast Verde River A&Wc Perkins Tank Tribulary to the Bast Verde River A&Wc T	VR	Granite Basin Lake	34°37'01"/112°42'16"		A&Ww			PBC			FC	Agi	AgL
R Heiler Tank 35°20'28'112'32'6" A&Ww R Heil Canyon Tank 35°20'28'112'41'32" A&Ww R Honestead Tank 35°21'23"/112'41'32" A&Ww Horse Fark Tank 34°58'15''111'36'29" A&Ww Horse Fark Tank 33°50'00''/111'20'1'40" A&Ww Horsestoe Reservoir 33°50'01''/111'20'1'40" A&Ww J.D. Dam Lake 35°0'01''/111''20'1'40" A&Ww Jime Creek Tributary to Horseshoe Reservoir A&Ww Meath Dam Tank 35°1'15''/112''1'12''7'' Mullian Place Tank 35°0'1''111''3''5"' Oak Creek (U) Tributary to the Verld River A&Wc Oak Creek (U) Tributary to Oak Creek A&Wc Peck's Lake 34°56'02''/111''37'52" A&Wc Peck's Lake 35°0'04''/111''37'52" A&Wc Perkins Tank 35°0'04''/'/112''04''08" F Perkins Tank 35°0'04''/'///112''04''08" F	VR	Granite Creek	Tributary to the Verde River		A&Ww			FBC			22	AgI	AgL
Hotic Cauyon Tank 35°21'23"/112°41'32" A&Ww Horse Park Tank 34°58'123"/112°41'32" A&Ww Horse Park Tank 34°58'15"/1112°41'33" A&Ww Horse Park Tank 33°30'00"/111°42'30" A&Ww J.D. Danu Lake 33°30'40'1'/112°01'40" A&Wc Jacks Canyon Wash (EDW) Big Park WWTP outfall to Dry Beaver Creck Linne Creck Tributany to Horseshoe Reservoir A&Ww Mdelaln Reservoir 35°13'15"/112°17'35" A&Ww Mdelaln Reservoir 35°13'15"/112°27'35" A&Wc Mdellican Place Tank 34°44'16"/111°36'08" A&Wc Oak Creck (U) Tributany to Oak Creek A&Wc Odell Lake 34°56'02"/111°37'52" A&Wc Peck's Lake 34°56'02"/111°02'30" A&Wc Perkins Tank 35°06'42"/112°02'30" A&Wc Perkins Tank 35°06'42"/112°02'30" A&Wc Perkins Tank Tributary to the Bast Verde River A&Wc Perkins Tank 35°06'42"/112°02'30" A&Wc Perkins Tank Tributary to the Bast Verde River A&Wc Perkins Tank Tributary to the Bast Verde River A&Wc Tri	VR	Heifer Tank	35°20'28"/112°32'56"		Λ&Ww			FBC			FC		AgL
t Homestead Tank 35°21'23'/112'41'32" A&Ww 1 Horse Park Tank 34°58'15"/111'36'29" A&Ww 1.D. Dam Lake 33°59'00'/111'2'01'40" A&We 1.D. Dam Lake 35°04'01"/112"01'40" A&We Janeks Canyon Wash (EDW) Big Park WWYP outfall to Dry Beaver Crock A&Ww Lime Creek Tribulary to Horseshoe Reservoir A&Ww Mealt-Blan Reservoir 35°13'15"/112"17'05" A&Ww Mealth Dam Tank 35°13'15"/111"36'08" A&Ww Oak Creek (U) Tribulary to the Verde River A&Wc Oak Creek (U) Tribulary to Oak Creek A&Wc Peck's Lake 34°56'02"/111"02'752" A&Wc Peck's Lake 34°56'02"/111"04'752" A&Wc Perkins Tank 35°06'42"/112"04'08" A&Wc Phine Creek Tribulary to the East Verde River A&Wc	VR	Hell Canyon Tank	35°05'00'/112°24'06"		A&Ww			PBC			J:C		AgL
Horse Park Tank 34-581-15"/111"36"29" A&Ww J.D. Dam Lake 33°-59" A&Wc A&Ww J.D. Dam Lake 33°-04"01"/112"01"40" A&Wc A&Wc Jacks Canyon Wash (EDW) Big Park WWTP outfall to Dry Beaver Crock A&Ww Lime Crock Tributary to Horseshoe Reservoir A&Ww A&Ww Med.lellan Reservoir 35°-13"15"/112"-17"05" A&Ww Meath Dam Tank 35°-07"46"/111"-27"35" A&Wc A&Wc Oak Crock (U) Tributary to the Verde River A&Wc A&Wc Oak Crock (U) Tributary to Oak Crock A&Wc A&Wc Oak Crock (U) Tributary to Oak Crock A&Wc A&Wc Oak Crock (U) Tributary to Oak Crock A&Wc A&Wc Peck's Lake 34°-37"/1112"02"/30" A&Wc Perkins Tank 35°-06"/42"/1112"04"/08" A&Wc Pine Crock Tributary to the Bast Verde River A&Wc Pine Crock A&Wc A&Wc Pine Crock A&Wc A&Wc Pine Crock A&Wc A&Wc P	VR	Homestead Tank	35°21'23"/112°41'32"		A&Ww			FBC			FC		AgL
Horsestore Reservoir 33°99'00"/111°42'30" A&W A&W J.D. Dan Lake 35°04'01"/112°01'40" A&W A&W Jacks Canyon Wash (EDW) Big Park WWTP outfall to Dry Beaver Creek A&W A&W Linne Creek Tributary to Horsehoe Reservoir A&W A&W Meath Dan Tank 35°13'15"/112"01'35" A&W A Mullican Place Tank 34°44'16"/111"36'08" A&W A Oak Creek (U) Tributary to the Verde River A&W A Oak Creek (U) Tributary to Oak Creek A&W A Peck's Lake 34°47'07"/112"02'30" A&W B Perkits Tank 35°60'2"/111"04'08" A&W B Pine Creek Tributary to the East Verde River A&W B B	VR	Horse Park Tank	34°58'15"/111°36'29"		A&Ww			PBC			FC		AgL
J.D. Dann Lake 33°04'01'/112°01'40" A&Wc A&Wc Jacks Canyon Wash (EDW) Big Park WWTP outfall to Dry Beaver Crock A&Ww A&Ww Linne Creek Tributary to Horesthoe Reservoir A&Ww A&Ww Meath Dam Tank 35°13'15'112'217'35" A&Ww A&Ww Mullican Place Tank 34°44'16''1111'36'08" A&Wc B Oak Creek (U) Tributary to the Verde River A&Wc B Oak Creek West Fork (U) Tributary to Oak Creek A&Wc B Peck's Lake 34°56'02"/1112'02'30" A&Wc B Perkins Tank 35°05'42"/112'04'88" A&Wc B Phire Creek Tributary to the Bast Verde River A&Wc B	VR	Horseshoe Reservoir	33°59'00"/111°42'30"		A&Ww			FBC			FC	AgI	AgL
Jacks Canyon Wash (EDW) Big Park WWTP outfall to Dry Beaver Creck A&Ww A&Wedw Lime Creek Tributary to Horseshoe Reservoir A&Ww A&Ww McLellan Reservoir 35°13'15"/112°17'05" A&Ww A&Ww Meath Dam Tank 35°07'46"/111°36'08" A&Ww BAW Oak Creek (U) Tributary to the Verde River A&Wc BAW Oak Creek, West Fork (U) Tributary to Oak Creek A&Wc BAWc Peck's Lake 34°56'02"/1112"02'32" A&Wc BAWc Peck's Lake 34°47'07"/112"04'08" A&Wc BAWc Perkins Tank Tributary to the East Verde River A&Wc BAWc BAWc	VR	J.D. Dam Lake	35°04'01"/112°01'40"	A&Wc				FBC			FC	Agi	Agl
Lime Creek Tributary to Horseshoe Reservoir A&Ww MeLellan Reservoir 35°13'15"/112°27'33" A&Ww Meath Dam Tank 35°07'46"/112°27'33" A&Ww Mullican Place Tank 34°44'16"/111°36'08" A&Wc Oak Creek (U) Tributary to the Verde River A&Wc Oak Creek, West Fork (U) Tributary to Oak Creek A&Wc Peck's Lake 34°47'07"/112°02'30" A&Wc Perkins Tank 35°06'42"/112°04'08" A&Wc Pine Creek Tributary to the East Verde River A&Wc	۸X	Jacks Canyon Wash (EDW)	Big Park WWTP outfall to Dry Beaver Creck		-		A&Wedw		PBC				
McLellan Reservoir 35°13′15″112°17′05″ A&Ww Meath Dam Tank 35°07′46″/112°27′35″ A&Ww Mullican Place Tank 34°44′16″/111°36′08″ A&Wc Oak Creek (U) Tributary to the Verde River A&Wc Oak Creek, West Fork (U) Tributary to Oak Creek A&Wc Odelt Lake 34°56′02″/111°37′52″ A&Wc Peck's Lake 34°47′07″/112°02′30″ A&Wc Perkins Tank 35°06′42″/112°04′08″ A&Wc Pine Creek Tributary to the East Verde River A&Wc	VR	Line Creek	Tributary to Horseshoe Reservoir		A&Ww			FBC			FC		AgL
Meath Dam Tank 35°07'd6"/112°27'33" A&Ww Mullican Place Tank 34°44'16"/111°36'08" A&Wv Oak Creek (U) Tributary to the Verde River A&Wc Oak Creek, West Fork (U) Tributary to Oak Creek A&Wc Odell Lake 34°56'02"/111°37'52" A&Wc Peck's Lake 34°47'07"/112°02'30" A&Wc Perkins Tank 35°06'42"/112°04'08" A&Wc Pine Creek Tributary to the East Verde River A&Wc	¥	McLellan Reservoir	35°13'15"/112°17'05"		A&Ww			FBC			FC	Agi	AgL
Mullican Place Tank 34°44'16"/111°36'08" A&Wv Oak Creek (U) Tributary to the Verde River A&Wc Oak Creek, West Fork (U) Tributary to Oak Creek A&Wc Odell Lake 34°56'02"/111°37'52" A&Wc Peck's Lake 34°47'07"/112°02'30" A&Wc Perkins Tank 35°06'42"/112°04'08" A&Wc Pine Creek Tributary to the East Verde River A&Wc	VR	Meath Dam Tank	35°07'46"/112°27'35"		A&Ww			PBC			ည		Agt
Oak Creek (U) Tributary to the Verde River A&Wc Oak Creek, West Fork (U) Tributary to Oak Creek A&Wc Odell Lake 34°56'02"/111°37'52" A&Wc Peck's Lake 34°47'07"/112°02'30" A&Wc Perkins Tank 35°06'42"/112°04'08" A&Wc Pine Creek Tributary to the East Verde River A&Wc	VR	Multican Place Tank	34°44'16"/111°36'08"		A&Ww			PBC			ьc		Agl,
Oak Creek, West Fork (U) Tributary to Oak Creek A&Wc Odell Lake 34°56'02"/111°37'52" A&Wc Peck's Lake 34°47'07"/112°02'30" A&Wc Perkins Tank 35°06'42"/112°04'08" A&Wc Pine Creek Tributary to the East Verde River A&Wc	VR	Oak Creek (U)	Tribulary to the Verde River	A&Wc				FBC		DWS	FC.	Agi	Agl.
Odell Lake 34°56′02″/111°37′\$2" A&Wc Peck's Lake 34°47′07″/112°02′30" A&Wc Perkins Tank 35°06′42″/112°04′08" A&Wc Pine Creek Tributary to the East Verde River A&Wc	VR	Oak Creek, West Pork (U)	Tributary to Oak Creek	A&Wc				FBC			FC		AgL
Peck's Lake 34°47'07"/112°02'30" A&Wc Perkins Tank 35°06'42"/112°04'08" A&Wc Pine Creek Tributary to the East Verde River A&Wc	VR	Odell Lake	34°56'02"/111°37'52"	A&Wc				FBC			FC		
Perkins Tank 35°06'42"/112°04'08" A&Wc Pine Creek Tributary to the East Verde River A&Wc	Ϋ́	Peck's Lake	34°47'07"/112°02'30"	A&Wc				FBC			FC	V [®] I	AgL
Pine Creek Tributary to the Bast Verde River A&W.c	RV RV	Perkins Tank	35°06'42"/112°04'08"	A&Wc				FBC			FC		AgL
	۸×	Pine Creek	Tributary to the East Verde River	A&Wc				FBC		DWS	FC	Agi	AgL

Appendix B: Designated Uses of Arizona Water Bodles

BASIN	SEGMENT	LOCATION	A&Wc	A&Ww	A&We	A&Wedw	PBC	PBC	DWS	PC	Agi	AgL
۸X	Red Lake	35°12'19"/113°03'55"		A&Ww			PBC			FC		AgL
VR	Reservoir #1	35°13'05"/111°50'07"		A&Ww			PBC			ಜ		
¥	Reservoir #2	35°13'16"/111°50'36"		A&Ww			FBC			FC		
VR	Roundtree Canyon Creek	Tributary to Tangle Creek		A&Ww			FBC			TC.		AgI.
VR	Scholze Lake	35°11'53"/112°00'31"		A&Ww			FBC			FC		AgL
Y.R.	Spring Creek	Tributary to Oak Creek		A&Ww			FBC			КC	Agi	AgL
ΥR	Steel Dan Lake	35°13'36"/112°24'51"	A&Wc				TBC			FC.		AgL
VR	Stelir Lake	34°21'59"/111°40'00"		A&Ww			FBC			ည		Agl
¥	Stone Dam Lake	35°13'36"/112°24'16"	A&Wc				FBC			5	AgI	AgL
Ϋ́R	Stoneman Lake	34°46'44"/111°31'05"	A&Wc_				FBC			FC	Agi	AgL
VR	Sullivan Lake	34°51'46"/112°27'41"		A&Ww			FBC			χ	Agi	AgL
W.	Ѕусятоге Сгеек	Tributary to Verde River; Coconino National Forest	A&Wc				PBC			PC	Agi	AgL
ΛR	Sycamore Creek	Tributary to Verde River; Tonto National Forest		A&Ww			FBC			. <u>D</u>	Agl	AgL
Α.	Tangle Creek	Tributary to the Verde River		A&Ww			FBC			5	V81	AgL
ž	Trinity Tank	35°27'44"/112°47'56"		A&Ww			FBC			2		AgL
N.	Verde River	Above Bartlett Danı		A&Ww			FBC			ПС	Agi	AgL
٧R	Verde River	Betow Bartlett Dans		A&Ww			FBC		DWS	J.	AgI	AgL
۸R	Watson Lake	34°35'15"/112°25'05"		A&Ww			FBC			ည	AgI	Agl.
VR	Webber Creek	Tributary to the Bast Verde River	A&Wc				PBC			D.		AgL
VR	West Clear Creek	Tributary to the Verde River	A&Wc				TDC			P.C		AgL
Ϋ́R	Wet Beaver Greek	Tributary to Beaver Creek	A&Wc				FBC			<u>5</u>	AgI	AgL
X,	Whitehorse Lake	35°07'00"/112°00'47"	A&Wc				FBC		DWS	<u>ي</u>	Agi	AgL
¥,	Williamson Valley Wash	Headwaters to confluence with Mint Wash			Λ&We			PBC				AgL
VR	Williamson Valley Wash	Confluence of Mint Wash to 10.5 km dwnstm		A&Ww			FBC			22		γĝΓ

Appendix B: Designated Uses of Arizona Water Bodles

BASIN	SEGMENT	LOCATION	A&Wc	A&Ww	A&We	A&Wedw	FBC	PBC	DWS	FC	AgI	AgL
VR	Williamson Valley Wash	Below 10.5 km downstream of the Mint Wash confluence			A&We			PBC				VgL
۸×	Williscraft Tank	35°11'23"/112°35'38"		A&Ww			FBC			FC		AgL
VR	Willow Creek	Tributary to Willow Creek Reservoir	A&Wc				FBC			ည		AgL
N.	Willow Creek Reservoir	34°36′17″/112°26′19″	٠	A&Ww		·	PBC			FC	Agl	AgL
VR	Willow Valley Lake	34°41'08"/111°19'57"		A&Ww			FBC			ಗ್		AgL
WP	Big Creek	Pinaleno Mountains	A&Wc				РВС			RC		AgL
WP	Goudy Canyon Creek	Pinaleno Moumains	A&Wc				FBC		,	FC		AgL
WP	Grant Creek	Pinaleno Mountains	Λ&Wc				FBC		DWS	ЪС		AgL
WP	High Creek	Galiuro Mountains		A&Ww			PBC	·		FC		AgL
WP	Moonshine Creek	Tributary to Post Creek	A&Wc				FBC			PC		AgL
WP	Pinery Creek	Chiricafua Mountains		A&Ww			FBC		DWS	FC		AgL
WP	Post Creek	Tributary to Grant Creek	A&Wc				FBC			PC	AgI	AgL
WP	Riggs Flat Lake	32°42'27"/109°57'51"	A&Wc				FBC			FC	Agi	AgL
Wβ	Rock Creck	Tributary to Turkey Creek		A&Ww			FBC			FC		AgL
WP	Snow Flat Lake	32°39'09"/109°51'52"	A&Wc				PBC			ьc	AgI	AgL
фМ	Soldier Creek	Tributary to Post Creek; Coronado National Forest	A&Wc			-	нвс	,		Σ <u>.</u>		AgL
WP	Turkey Creek (formerly in UG)	Western slope, Chiricahua Mountains	A&Wc .			·	FBC			РC	AgI	AgL
WP	Ward Canyon Creek	Tributary to Turkey Creek	A&Wc				FBC			FC		AgL
WP	Wilcox Playa	Sulphur. Springs Valley		A&Ww			FBC			FC		AgL

Appendix A. Numeric water quality criteria

AgL ³	(ng/L)	NNS	SNS SNS	SNS	S.	- Cruix	SNA	SNN	200 T	NNS	SNN	NAS Series	500	NNS	SNZ	SAS	NNS Sprio	SNN	NNS	NAS	NNS	SNA	S S	SES	SNS	S Z	SNS	SNS	7 × ×	ZZ	NNS	SNS	S S	NNS	SNS	SE	
18V	(µg/L)	MNS	S S S	SNS	SNS.	- 52.64	SNZ	SNN	2000 T	SNN	SNS	NAS	250	NNS	NNS	SAN	NNS STATE	SNN	SNS	SNS	SNN	SSS	SES	SNN	NNS	N.S.	NNS	NAS	N N	NNS	NNS	SNS	SIN	SZZ/	Z	Z SE	S S
A&WE	(µg/L)	MNS	SS	SNN	SE	25.5	222	N. N.	230 D	SNN	SNS	Sign	2 5	NNS	SNX	S	NAS SALE	SZZ	130	130	130	60.0	2 2	SNN	96	S X	SNN	SNS.	d b	NAS	0.45	SZZ	20.22	SNZ	NNS	SYZ	SSS
A&We	(µg/L)	SES	SSS	SNN	SNZ	7	SNN	SNA	440 D	NNS	SES	SNA	200	SNN	NNS	SNN	SNA	222	999	99	1600		S S	SNN	3100	Z Z	NNS	SNE		É	3.2	SNZ	NAS NAS	SNN	SNS	SAN	S S
A&Wedw	(µg/L)	850	28	250	SNN	25	SNA	0.009	190 0	NNS	SNN	25	38	NNS	SNN	SNZ	S	4.4.5	130	28	130	10.0	283	NNS	360	28	7	Z	NNA	201	0.21	2.0	SNA	NNS	986	8	2 S
A&Wedw	(mg/L)	88	2 %	3800	SNS	0.7	SNS	0000	38	SNN	SNN	SSS	- SE	NNS	SNN	SN	S	223	38	909	1600	9.7.0	2000	NAS/	3		180	8:	O SNA	0008	2.4	=	S 22	SNX	180000	14000	2002 2002
A&WW	(ug/L)	9.50 2.50	28	230	SSE	Ž.	22	CS	28.	SNE	SE	SZ.	2 2	SNS	SNS	SAN	SN	SZS.	30.0	200	061	2 S		SNE	98	25	4	8	A SE	28	0.21	5.0	8	200	0086	8	25
A&Ww	(ng/L)	958	ž z	3800	SNS	2:0	222	Cas	360	SNS	SNS	SNN	27.00	NNS	SZZ	SAS	SE	SNS		2	7	3.4	SSS	NNS	90	28	981	200	O P	0008	2.4	=	2000	222	180000	14000	NS S
A&WC	ESE ESE	\$50	25	250	NNS	SNS.	OWN	S S S	38	SNN	SNS	SNZ	28	NNS	SNN	See	SZ.		1000	99	8	90'0	Z S	SNS	360	SSS	**	130	0.00	28	0.00	5.0	88	202	288	8	SE
A&WC	(#g/L)	058	23	3800	NNS	2.0	0 200	CNN	368	NNS	SNN	SNN	382	SNS	Z.	SNN	SZZ	SZZ	2 6 5	38	9091	2.0	SES	NNS	480	SNS	981	1700	Q of Co.	2008	2.4	Ξ	200	222	180000	14000	SS S
PBC		8400									/														5.4												
E E	(Hg/L)	25	1302	2,6	SNN	80.0	SNS		_		SNN	00001	200	0.12	0.12	0.12	0.12			0.78	NINS	- :	2 ° °	: 88	3	SNS	NNS			21.1	2	SNS	7800	NNC	N.S.	230	900 200 200 200 200 200 200 200 200 200
P.C	(µg/L)	7600	0,002	0.64	NNS	0.0003		2000	3.5	NNS	NNS	SSS	120	0.0008	0.002	0,00001	0.0000	0.00004	0.21	0.00	SNS	0.02	SS.	13000	7.4	SES	NNS	2000	83 T	244	0.001	NNS	8	17 MANGE	SSS	286	13000
I DWS!	(HB/L)	 \$	9 9 /	Ž	T _e	0.002	SNS	2007	- F	-	6	1000 D	2000	1000	0000	0.003	0.003	0.003	2008	300	SNS	0.20	SNS	780	2.5	NNS	SNS	148	T.	\$ ~	. ~	SNN	8	E STATE	NNS	THM	8 %
PARAMETERS	_	Acensphiltene	Acenaphihylene	Acrylonkrile	Alachlor	Aldrin	Ammonia	Anthrecene	Annumony (as 50)		Atrazine	as Ba)	Benzene	Denziume Renzo (a) anthracene	Benzo (a) pyrene	Benzo (ghi) perylene	Benzo (k) fluoranthene	3,4-Benzofluoranthene	Beryllium (as Be)		BHC-delta	BHC-gamma (lindane) c	Bis(2-chloroethoxy) methane	Bis(2-chlorolsopropyl) ether	Bis-(2-ethylhexyl) phthalate c	Boron (as B)	Bromotherni ntenvi etter	Butyl benzyl phthalate	Cadmium (as Cd)	Carboturas		Chlorine (Total residual)	Chlorobenzene	Chlorodibromomethane	Calorectaine 2. Chlomethyl vinyl ether	Chloroform	2.Chloronapihalene

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AgL ¹ (µg/L)	NNS NNS NNS NNS NNS NNS NNS NNS NNS NNS
Agl ¹ (µg/L)	NNS NNS NNS NNS NNS NNS NNS NNS NNS NNS
A&We Chronic ³ (µg/L)	15000 NNS NNS 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.0
A&We Acute ² (µg/L.)	A 100 O 100
A&Wedw Chronic ³ (µg/L)	NNS NNS NNS NNS COO COO COO NNS NNS NNS NNS NNS NNS NNS NNS NNS N
A&Wedw Acute ² (µg/L.)	NNS
A&Ww Chronic ³ (µg/L.)	NNS
A&Ww Acute ² (µg/L)	NNS NNS NNS NNS NNS 1200 1200 1200 1200 1200 1200 1300 1300
Chronic ³ (tg/L)	NNS
A&Wc Acute ² (µg/L)	NNS NNS PROPERTY OF THE PROPER
PBC ¹ (HgL)	NNS NNS NNS NNS S200 D 3200 D 3200 D 3100 T 1300 NNS NNS NNS NNS NNS NNS NNS NNS NNS N
FBC ¹ (Hg/L)	NNS 140000 1 5200 D 3200 D
 15 (3)	NNS NNS NNS NNS NNS NNS 0,0001 1,200
II	NNS NNS NNS NNS NNS NNS 100 10 100 11 100 100
PARAMETERS	3-methyl-Chlotophenyl plotheryl effection in the chromium (as Cr III) Ch

	former	 												
Live was a second	CHO		ر د		Acute 1	Change	Acute 2	Chronic 3	Act redw	Chanted	Acute2	Ace we	.ı8v	- 78V
	(μg/L)		(µg/L)	(µ8/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(Hg/L)	(Hg/L)	(µg/L)	(hgd.)	(µg/L)	(Hg/L)
Fluorene	280	580	2600	18	SES	SE	SE	SNE	SNS	Z Z				SE
Fluoride	4000		NNS		NNS	SNN	NNS	NNS	SNN	NNS	NNS	NNS	SSS	N.S.
	0.400		0.31		0.52	8.	0.52	00	0.58	0.013	6.0	ő	SNN	SNN
Heptachlor epoxide c8	928	0.000	0.15		0.52		0.52	90.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0	0.58	0.013 NING	50 N	.0°.	NNS	SES
ų.			38		- -	200	5	82	\$	8.2	SNZ	SNN	SNN	S Z Z
Hexachlorocyclopenladiene	5		1000		en en	0.3	33.5	0.3	30,00	0.3	SNS	SNX	SES	288
	2,5		8		430	320	490	320	2	320	820	610	NNS	NNS
Indeno (1,2,3-cd) pyrene c	0.003	- 4	0.12		NNS	SNS	NNS	NN	NNS	NNS	NNS.	NNS	SNS	NNS
Isophoronec	8. 5. 5. 5.	/	340		28000	43000	28000	43000	29000	43000	SZZ	SNS	SNS	SNS
Lead (as ro)	100	SAN	2/2		20 E	2 5	25			۵ <u>و</u>	3	0 5	1,0001	3
Mercury (as Ho)	2 1 C	TAG	15		24.5	0.50	24.5	C TO C	26.0	C. C.	SES.	S.C.	o service	S C
Methoxychlor	\$	SNN	NNS	,	SZZ	NNS	NNS	NNS	SZS	SNN	NNS	SNN	SNS	NNN
Methyl bromide	80.6	7500	200		5500	360	2200	360	5500	360	SZN	NNS	NSS	NNS
Methyl chloride c	5.7		230		Z70000	15000	270000	15000	270000	15000	NNS	NNS	NNS	SNN
Methylene chloride c	4.7		261		0000	5500	97000	5500	97000	5200	SNN	SES	SNS	NNS
Naphthalene	NNS	SNS	360		Z	210	3300	Ş	3300	8	SNS	SZZ	NNS	SNS
Nickel (as Ni)	140 T	400 T	2800 T		Ž	Q I	D H	D.	Q	Q	Q4	04	SNN	SNN
Nirate (as N)	2000		NNS		SNS	SEE	SZZ	SZZ,	ZZZ.	SNS	SNS	SNN	SN	SNS
Nitrate/nitrite (Total as N)	2690	NAS	ZZZ		SNS	<i>y</i>	SSS	N N N	SSS	SNS	SNS	SE	SNS	SSS
Nimbenzane	**		25		2005	250		250	CANACA	0.50	200	200	NKS NAME	SMA
2-Nirophenol	SNS		SNN		NNS	SNN	SE	NINS	SZZ	SNS	NNS	SNS	SNS	N. S.
4-Nitrophenol	SNS	NNS	NNS		4100	3000	87	3000	4100	3000	NNS	NNS	NNS	SNS
inylamine	0.0007		0.03		NNS	NNS	SNN	SNZ /	NNS	NNS	SNN	SNN	SNN	SNN
	7.		390		2865	8	25. 25.	8/	2800	8	SNZ	SE	SZ	SE
N-nitrosodi-n-propyiamine c	COO.	00000	0.2		N S	250	S C	25	250	SS	SZ =	SSC	Z S	Z S
chlorophenol	210	29000	2000			-	3			-	-	} '	NNS	NNS
Phenanthrene	0.003	0.0005	0.12		26	6.3	8	6.3	*	6.3	SNZ	SNS	SES	SNS
Phenol	4200	6500000	84000		2100	730	7000	1000	7000	900	180000	26000	SNS	SNN
Pyrene	210	1100	4200		SNZ	Sec	SZZ	SZZ	SNZ		SNS	SNS	SNS	SNS
Scientiff (85.5c)	2 22	SNX	ON W			TO'Z	35	NNS.	35	ANG D	3.5	1 0.2	1.07 70.14	T ON T
Sivere 69	28		SNS		SNS	SNS	Z	SZZ	SSS	SNS		SNZ	S N	SZZ
	SES		NNS		2	SE	8	SNS	8	NNS	7	SNS	SXS	N.S.
1,1,2,2-Tetrachloroethane c	0.17	=	7		4700	3200	4700	3200	4700	3200	SNN	SNN	SNN	SNS
ene	8.8	=;			2600	280	6500	089	0000	089	2000	85/	NNS	NNS
Thailium (as 11)	1 000	44.1			286	2021	0.00	200	0.007	0.051	S S S	e f	SNS	SZZ
Toxontene	200		200		36	2000	35	3 2	35	35	Ç.	24	288	200
2	Ş		N.N.		SNS	NN	NNX	SNN	NNS	Z	SNS	SZZ	-	222
1,2,4.Trichlorobenzene	SNS		2800		750	130	1700	300	SNN	SNS	SNZ	SNN	/ KZZ	Z SNS
	200	_	13000		2600	9091	2600	9	2600	909	SNN	NNS	SNN	SNN
1,1,2-Trichloroethane cili	19:0		25		18000	12000	9008	12000	28000	12000	SNS	SNS	SNS	
				H		135					7 7 7 1		7	人間

				₩##						-					
PARAMETERS	,,,	DWS	ت		PBC.	A&Wc	A&Wc Chronic ³	Acute ²	A&WW Chronic ³	Acwedw Acute ²	Chronic ³	Acute ²	Chronic ³	ž	2
		(trg/L)	(Jegy)	(µg/L)	(hg/L)	(4g/L)	(Hg/L)	(Hg/L)		(Light)	3 3		(Hg/L)	(EgC)	
2.4.6-Trichlorophenol Trihalomethanes, Total Vinal chloride Xylenes (Total)		3.2 3.2 3.5 3.5 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0	A 4.9 NNS NNS 620 NNS NNS	130 NNS NNS 80 NNS	NNS NNS NNS NNS NNS	91 NNS NNS NNS NNS NNS	NNS NNS NNS NNS	25 SNN SNN SNN SNN SNN SNN SNN SNN SNN SNN	SN S	NNS NNS NNS NNS NNS NNS NNS NNS NNS NNS	NNS NNS NNS NNS NNS	3000 NNS NNS NNS NNS NNS	A60 NNS NNS NNS K D	NNS NNS NNS NNS NNS 10000 T	NNS NNS NNS NNS NNS
Zinc (as Zn)								11 11 11 11							
/BH	µg/L - micrograms per liter	er liter	/												
ထော် သိ	The standard to protect this use is 7 millian fibers (longer than 10 micrometers) per liter. Values for annionia are contained in separate tables located at the end of Appendix A. Indicates that the parameter is a known, probably or possible human carcinogen and that the standards to protect DWS, FC and FBC are based on carcinogenicity. A "c" by itself indicates that the excess cancer insk level for the DWS designated use is 1 x 10°6. These excess cancer risk level for the DWS designated use only is greater than 1 x 10°6. These excess cancer risk level for the DWS designated use is 1 x 10°6. A "c" followed by a number indicates that the excess cancer risk level for the DWS designated use only its greater than 1 x 10°6. These excess cancer risk level for the DWS designated use is 1 x 10°6. A "c" followed by a number indicates that the excess cancer risk level for the DWS designated use is 1 x 10°6. These excess cancer risk level for the DWS designated use is 1 x 10°6. These excess cancer risk level for the DWS designated use only its greater than 1 x 10°6. These excess cancer risk level for the DWS designated use is 1 x 10°6. These excess cancer risk level for the DWS designated use is 1 x 10°6. These excess cancer risk level for the DWS designated use only its greater than 1 x 10°6.	protect this use conta are contai e parameter is a DWS designate	e is 7 millhan fi ned in separak known, probat ed use is 1 x 10°	ibers (longer the stables located stables loca	nan 10 micror I at the end of human carcin ved by a numb	neters) per lite l'Appendix A. ogen and that i er indicates th	er. the standards to vat the excess o	o protect DWs	FC and FBC	Sare based on Salesignated u	carcinogenici Ise only is grea	ty. A "c" by it	tself indicates 0-6. These exc	that the excess cess cancernsi	cancer levels,
•		0-6 are; c1=5; c	6 are: c1=5; c2=17; c3=67; c4=13; c3=117;	4=13; c3=117; 28 finiHardness	; c6=10; c7=1; N . 3.828)	25; c8=50; <i>c</i> 9:	=100; c10=7; (:11=8; c12=2;	and c1 3=1 3;). The excess	cancer nak tev	el for une r	and rockay	gnated uses is a	. 014
. 5	Cadmium -	A&WC exute standard A&Wc chronic standard A&Ww acute standard:	A&We with Standard: e(0.7852) A&We chronic standard: e(1.128] A&Ww acute standard: e(1.128]	e(0.7852 [In(Hardness)] 3.4 e(1.128 [In(Hardness)] - 2.01	ca) 2.0(400)		٠		•						
T		A&Ww chronic standard: A&Wedw acute standard: A&Wedw chronic standard	~	e(1.128 [In(Hardness)] - 2.0149) e(0.7852 [In(Hardness)] - 2.0149) e(0.7852 [In(Hardness)] - 3.490	ness)] - 2.0149) irdness)] - 3.490) N - 0.0691)				-						
		A&We acute star A&We chronic s (See Footnote 4)	A&We acute standard: etrine instruments); etrine A&We chronic standard: e(0.7852 includress)] - 3.490) (See Footnote 4)	0.7852 (In(Hardn	ess] - 3.490)	•									
ຄ	Chromium III - A&Wc acute standard: e(0.8190 [In/Hardness]) +3.688)	A&Wc acute	standard: e(0.8	1190 [in/Hardness	(3) + 3.688)	ŝ	•	/							
		A&WC A&Ww	A&We enforte standard: e(0.8190 [In(Hardness)] + 3.688) A&Ww acute standard: e(0.8190 [In(Hardness)] + 3.688)	l; e(0.8190 (In(fi	(ardness)] + 3.68	18)			,						
		A&Ww A&Wed	A&Ww chronic standard: e(0.8190 [In(Hardress)] + 1.561] A&Wedw acute standard; e(0.8190 [In(Hardress)] + 4.9361)	ard: e(0.8190 li urd: e(0.8190 li	n(Hardness)] + 1 1(Hardness)] + 4	.9361)									
		A&Wed	A&Wedw chronic standard;	ndard: e(0.8190	e(0.8190 [In(Hardness)] + 1.561) 90 [In(Hardness)] + 3.688)	+1.561)			/	/					
		A&We	A&We chronic standard: e(0.8190 [in(Hardness)] + 1.561)	rd: e(0.8190 lfm	(Hardness)] + 1	561)				/					
		(See Fo	(See Footnote 4)								/				
<u> </u>	Copper -	A&WC acute standard: e(0.9422 [In(Hardness)] - 1.464) A&Wc chronic standard: e(0.8545 [In(Hardness)] - 1.465) A&W acute standard: e(0.9422 [In(Hardness)] - 1.464)	lard: e(0.9422 h ndard: e(0.8545 fard: e(0.9422 l	n(Hardness)] - 1.4 [In(Hardness)] - In(Hardness)] - 1.	464) 1.465) 464)							/			
	A&	A&Ww chronic standard: e(0.8545 [in(Hudness)] - 1.465) A&Wedw acute standard: e(0.9422 [in(Hardness)] - 1.464)	indard: e ^{(0.854} indard: e ^{(0.942;}	5 [In(Hardness)] - 2 [In(Hardness)] - 548 [In(Hardness)] -	- 1.464) - 1.464) - 1.464)										
	AR	A&Wedw chronic standard; etc. 0.342 [Introduces]] - 1.1514) A&We acute standard; e(0.9422 [Inthoduces)] - 1.1514)	standard: e ^{(U.O} ard: e ^{(O.9422} ltr	1(Hardness)] - 1.1	(514)										
•	A&	A&We chronic standard: ethasas intravaness; - 1.1449; (See Footnote 4)	ndard: e ^{(0.8545}	- III(superposition)III.	1,1445)									/	

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~	Lead-	A&Wc acute standard: e(1.2730 [ln(Hardness)] - 1.460)
5	10000	A&Wc chronic-standard: e(1.2730 [ln(Hardness)] - 4.705)
		A&Ww acute standard: e(1.2730 fin(Hardness)] - 1.460)
		A & W. w. chronic, standard: 6(1,2730 [In(Hardness)] - 4,705)
		A & Wedy acute standard: e(1.2730 [in(Hardness)] - 1.460)
		A & Wedy chronic standard: e(1.2730 [In(Hardness)] - 4.705)
		A & We acute standard: a(1.2730 [In(Hardness)] - 0.7131)
		A&We chronic standard: e(1.2730 [ln(Hardness)] - 3.9518)
		(See Footnote 4)
h	-Nickel-	A&Wc acute standard: e(0.8460 [ln(Hardness)] + 3.3611)
		A & Wc chronic standard: e(0.8460 [ln(Hardness)] + 1.1644)
		A & Www.acute-standard: e(0.8460 [in(Hardness)] + 3.3611)
		A&Ww chronic standard: e(0.8460 [ln(Hardness)] + 1.1644)
	······································	A&Wedw acute standard: e(0.8460 [in(Hardness)] + 3.3611)
		A&Wedw chronic standard: e(0.8460 [ln(Hardness)] + 1.1644)
		A&We acute standard: e[0.8460 [In(Hardness)] + 4.4389)
		A&We chronic standard: e(0.8460 [ln(Hardness)] + 2.2417)
		—(See Footnote-4)
<u> </u>	-Pentach	lorophenol A&Wc acute standard: e(1.005 (pH) - 4.830)
		A&Wc chronic standard: e(1.005 (pH) - 5.290)
		A&Ww acute standard: e(1.005 (pH) - 4.830)
		A&Ww chronic standard: e(1.005 (pH) - 5.290)
		A&Wedw acute standard: e(1.005 (pH) – 4.830)
		A&Wedw chronic standard: e(1.005 (pH) - 5.290)
A		A&We acute standard: e(1.005 (pH) - 3.4306)
		A&We chronic standard: e(1.005 (pH) - 3.9006)
		(See Footnote 5)
<u>i —</u>	Silver	A&Wc acute standard: e(1.72 (ln) - 6.52)
		A&Ww acute standard: e(1.72 (ln) - 6.52)
		A&Ww acute standard: e(1.72 (ln) - 6.52)
		— (See Footnote 4)
k.	Zinc -	A&Wc acute standard: e(0.8473 (ln) + 0.860)
		A&Wc chronic standard: e(0.8473 (ln) + 0.761)
		A&Ww acute standard: e(0.8473 (ln) + 0.860)
	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	A&Ww chronic standard: e(0.8473 (ln) + 0.761)
		A & Wedw acute standard: e(0.8473 (in) + 0.860)
		A & Wedw chronic standard: e(0.8473 (ln) + 0.761)
		A & We acute standard: e(0.8473 (ln) + 3.1342)
		A&We chronic standard: e(0.8473 (ln) + 3.0484)
1-	The star	ndard to protect this use is 0.003 μg/1 aldrin/dieldrin.
<del>m</del> -		richlorophenoxyacetic acid
1	The nur	neric standards to protect this use shall not be exceeded.
2	Determ:	ination of compliance with acute standards shall be as prescribed in R18-11-120(C).
3	- Determ	ination of compliance with chronic standards shall be as prescribed in R18-11-120(C).
4-	-Hardne	ss is determined pursuant to the methods specified for the definition of hardness Section 101. Hardness is determined from a
	sample	taken at the same time and place that the sample for the metal is taken. Hardness, expressed as $mg/1$ CaCO $_3$ , is then inserted into the
_	equatio	n where it says "Hardness".
5	—The pH	at the time and location that the sample for pentachlorophenol was taken is inserted into the equation where it says "pH".
	-	

NNS No numeric standard.

D Dissolved
T Total recoverable

TTHM - Indicates that the chemical is a trihalomethane. See trihalomethanes for DWS-standard.

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<u>.</u>									Total	Ammoi	nia mg-	·N/I (or	Total Ammonia mg-N/I (or mg NH3-N/liter)	13-N/III	(Let									
اسق	emperature in 0 1	j	Degrees Colsius	* C	4	2	۰	7	80	6	2	11	12	13	7	13	91	17	œ.	61	న్న	23	30 and above	Ha.
			/ 82	£	7.7	23	27	26	76	56	ង	25	25								24	16.6	11.8	6.5
	28	27	27	2	8	56	92	25	25	x	22	*	74	24	×	74	 %	23	ន	23	23	16,2	7:1	90
P			36	26	k	32	S	23	24	8	24	74	£								22	15.6	Ξ	6.7
~			22	23	7.	7	75	34	23	23	23	23	ឌ								53	15.0	10.6	8.9
			<b>5</b> 4	74	23	L	23	22	22	77	22	22	77								20	14.3	10.1	6.9
_			22	73	73	ឧ	7	77	21	21	ន	8	23								19.2	13,4	6.6	7.0
_			21	71	50	8	2	9.61	19.5	19.3	19.1	18.9	18.8								17.9	12.5	8.9	7.1
~			19.2	0'61	18.8	18.5	18.4	Ŧ	17.9	17.8	17.6	17.5	17.3								16.5	11.6	8.2	7.7
			17.5	17.3	17.1	16.9	16.7	6	16.3	16.2	16.0	15.9	15.8								15.0	10.6	7.5	7.3
<u>_</u>			15.7	15.5	15.3	13.1	15.0	14.8	ž	14.5	14.4	14.3	14.1								13.5	9.5	6.7	7.4
			13.9	13.7	13.6	13.4	13.3	3.1		12.8	12.7	12.6	12.5								12.0	<b>3</b>	0.9	
7.6			12.2	12.0	11.9	11.7	9'11	11.5	11.4	Z	11.2	=======================================	11.0								10.5	7.4	5.3	7.6
			10.5	10.4	10,3	10.1	10.0	6.6	8.	7	9.6	9.6	9.5								9.1	6.4	4.6	7.7
			9.0	8,9	α; ας	8.7	9.6	8.5	8.4	8.3	Z	8.2	<b>8</b> .1								7.8	5.5	4.0	7.8
	7.8		3.6	7.5	7.4	7.3	7.2	7.7	7.1	6.	9.2	69	6.9								9.9	4.7	3.4	7.9
			<b>6</b> ,4	6.3	6.2	9.1	6.1	0.0	5.9	5.9	5.8	Į.	5,8								5.6	4.0	2.9	8.0
			<b>~</b> i	5.0	6,4	4.9	8.	<b>*</b>	8.	4.7	4.7	4.6	9								4.5	3.5	2.3	8.1
			4.0	4.0	4.0	3,9	3.0	3,8	33	30	3.3	3,7	4								3.6	2.6	1.89	8,2
_			3.2	3.2	3.1	3.	3.1	3.	3.0	3.0	3.0	3.0	30								5.9	~	1.55	8.3
			2.6	2.5	2.5	2.5	2.5	2,4	2,4	2.4	2.4	7	2.4	1							2.4	17.1	1.27	8.4
			7.7	2.0	2,0	5.0		1.96	1.95	1.94	1.93	1.92	1,91								1.92	1.4	1.05	80 5.5
			1.65	1.63	19:1	8.	S.	1.58	1.57	1.56	1.55	1.55	7.		/						1.57	1.16	0.88	8.6
_			1.32	1.3	1.30	1.29	1.28	1.27	1.26	1.26	1.25	1.25	1.25								1.29	96.0	0.74	89.7
			8,	20.	3	3	1.03	1.03	1.02	1.02	23.	1.02	1.02			/					1.07	0.81	0.63	00 00
	0.87		0.86	0.85	28.	9.	80	0.83	0.83	0.83	0.83	6.83	28.0	<b>0</b> .84							0.83	0.69	0.55	6.8
_	_		69.0	0.69	0.69	0.68	99.0	0.68	0.68	99.0	0.68	0.68	69'0		ļ	i	/	1		- 1	0.75	0.39	0.48	0.6
NOTES	   																	<b>/</b>				İ	   	! 

pH and temperature are field measurements taken at the same time and location as the water samples destined for the laboratory analysis of ammonia.

If field measured pH and/or temperature values fall between the A&Wc Acute Total Ammonia tabular values, round field measured values according to standard rounding procedures to nearest tabular value to determine ammonia standard.

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A&W	A&Ww-ACUTE	<u>[22]</u>														
/					Total A	Total Ammonia mg-N/liter (or mg NH3-N/liter)	ia mg-h	V/liter (	or mg l	H3-N	Aiter)					
/	Ten	Temperatu	re in D	egrees	Celsius	••									•	
包	ا د ا		2		4	3.	9	7	æ	6	0	11	12	13	14	Hd
6.3	/s2	28	28	27	27	27	27	<b>3</b> 2	26	92	22	25	2.5	25	25	6.5
9.9	/ 82 	ラ	7.7	23	92	92	26	25	25	25	25	x	24	*	న	9.9
6.5		1	8	<b>3</b> 6	56	25	22	25	24	24	24	75	23	23	23	6.7
6.8		23	23	25	24	75	24	75	23	23	23	23	23	22	22	6.8
6.5		24	X	74	23	23	23	22	22	77	77	77	71	77	71	6.9
7.7		23	77	77	77	77	21	71	21	21	20	29	<b>50</b>	20	20	7.0
7.1		77	7	Ī	8	ଛ	20	22	19.5	19.3	19.1	18.9	18.8	18.6	18.5	7.1
7.5		23	19.2	Ž.	38.8	18.5	18,4	18,1	17.9	17.8	17.6	17.5	17.3	17.2	17.0	7.5
7.3		17.8	17.5	17.3	7.7	16,9	16.7	16.5	16.3	16.2	16.0	15.9	15.8	15.6	15.5	7.3
7.4		16.0	15.7	15.5	Z	15.1	15.0	14.8	14.7	14.5	14.4	14.3	14.1	14.0	13.9	7.4
7.5		14.1	13.9	13.7	13.6	13.4	13.3	13.1	13.0	12.8	12.7	12.6	12.5	12.4	12.4	7.5
7.6	12.5	12.3	12.2	12.0	11.9	Z	9.1	11.5	11.4	11.3	11.2	1.1	0:1	10.9	10.8	3,6
7.5		10.7	10.5	10,4	10.3	2	10.0	6.6	9.8	2.6	9.6	9.6	5.5	5.0	9.3	7.7
7.8		7.	9.0	8. 9.	& %	8.7	9:9	8.5 2.5	8.4	8.3	8.2	8.2	 	8	0.8	7.8
7.5		7.7	2.6	7.5	7.4	7.3	Z!	7.2	7.1	7.0	7.0	6.9	6.9	8.9	6.8	7.9
0:8 0:0		6.4	6.4	6.3	6.2	6.1	7.6	0.9	5.9	5.9	5.8	5.8	8.3	5.7	5.7	8.0
8.0		5.1	5.1	2.0	4.9	4.9	4.8	7	8.	4.7	4.7	4.6	4.6	4.6	4.6	8.1
8.2		4.1	4.0	4.0	4.0	3.9	3.9	3.8	3.8	30,00	3.7	3.7	3.7	3.7	3.6	8.2
8.3		3,3	3.2	3.2	3.1	3.1	3.1	3.	7	3.0	3.0	3.0	3.0	2.9	2.9	83
æ.		2.6	5,6	2.5	2.5	2.5	2.5	2.4	2.2	2.4	2.4	2.4	2,4	2,4	2.4	4.8
8.5		2.1	2.1	2.0	2.0	2.0	2.0	2.0	1.98	なう	1.93	1.92	1.91	1.90	.90	8.5
8.6		 	1 65	.63	1.61	8.	1.59	1.58	1.57	Ž	1.55	1.55	1.54	Z.	1.54	8.6
8.7		1.33	1 32	1.31	1.30	1 29	1.28	1.27	1.26	1.26	1.25	1.25	1,25	1.25	1.25	8.7
8.8		1.07	<del></del> 8	20.	<u>=</u>	2	1.03	1.03	1.02	1.02	Ž	1.02	3	1.02	1.02	8.8
8.9	0.87	0.86	0.86	0.85	0.84	0.84	0.84	0.83	0.83	0.83	8	0.83	0.8 28.0	0.84	0.84	6.8
0.6	0.70	0.70	0.69	69.0	0.69	99.0	0.68	89.0	0.68	99.0	0.68	8	0.69	0.69	0.70	0.6
	 						   					<b>/</b>	 			

pH and temperature are field measurements taken at the same time and location as the water samples destined for

the laboratory analysis of ammonia.

If field measured pH and/or temperature values fall between the A&Ww Acute Total Ammonia tabular values, round field measured values according to standard scientific rounding procedures to nearest tabular value to determine the ammonia standard. તં

	丟	ļ ;	Ç	9.9	6.7	8.9	6.9	7.0	7.1	7.5	7.3	7.4	7.5	7.6	7.7	7.8	7.9	8.0	<b>8</b> .1	8.2	8.3	8.4	8.5	8.6	8.7	80.00	6.9	0.6	
	30 and	-   ``	10.0	16.1	15.6	15.0	14.3	13.4	12.6	11.6	10.6	9.5	8.5	7.4	6.5	5.6	4.8	4.0	3.3	2.7	2.2	1.80	1.49	1.24	1.05	0.50	0.77	0.68	
	29	ׅ֭֭֟֝֟֝֟֝֟֝֟֝֟֝֟֝֟֜֟֝֜֟֟֓֓֓֟֜֟֓֓֓֓֓֟֜֟֓֓֓֓֓֡֡֡֡֡֓֓֡֡֡֡֓֓֡֡֡֡	7.8	17.3	16.7	16.1	15,3	14.4	13,4	12.4	11.3	10.2	9.1	8.0	6.9	6.0	5.1	4.3	3.5	2.8	2.3	8:	1.57	1.31	2:	0.94	0.81	0.70	
	28	ļ .		18.5	17.9	17.2	16.4	15.4	14.4	13.3	12.0	10.9	2.6	80 57:	7.4	6.4	5.4	4.6	3.7	3.0	2.5	5.0	39.	1.38	1.16	0.98	0.84	0.73	
	27	     	2	20	19.2	18.4	17.5	16.5	15.4	14.2	12.9	11.6	10.4		7.9	8.9	80.	4.9	4.0	3.2	2,6	2.1	1.77	1.46	1.22	1.03	0.88	97.0	
cont.)	<b>36</b>	   	22	77	77	2	18.8	17.7	16.5	15.2	13.9	12.5	1.1	8.6	8.5	7.3	6.2	5.2	4.2	3.4	2.8	2.3	1.86	1.55	1.29	. 1.88 8:188	5	68.0	
Total Ammonia mg-N/liter (or mg NH3-N/liter) (cont.)	25	   :	ន	33	22	7	2	19.0	17.7	16.3	14.9	13.4	11.9	10.5	9.1	7.8	9.9	5.6	4.5	3.7	3.0	2.4	28	50.7	<u> </u>	<u> </u>	0.97	0.83	
NH3-N	24	     	74	23	22	73	<b>5</b> 0	19.0	17.7	16.4	14.9	13.4	11.9	10.4	9.1	7.8	9.9	5.6	4.5	3.6	2.9	Z	8:	1.62	1,34	1.12	0.95	0.81	   
or mg	23	 	24	23	22	7	20	19.1	17.8	16.4	14.9	13.4	11.9	10.4	9.1	7.8	9.9	5,6	Z.A.S	6	2.9	2.4	1.95	1.60	1.33	1.1	0.93	0.80	İ
N/liter (	22	] 	24	23	22	77	20	161	17.8	16.4	15.0	13.5	12.0	10.4	91	7.8	ž	2.6	4.5	3.6	2.9	2.4	1.93	1.58	1.31	<u></u>	0.92	0.78	
ia mg-l	21		24	23	22	21	20	19.2	17.9	16.5	15.0	13.5	12.0	20.5	f.	7.80	9.9	5.6	4.5	3.6	2.9	2.4	1.92	1.58	1.30	1.08	0.91	0.77	
Lmmom	20	1	77	23	22	21	8	19.2	17.9	16.5	15.0	/	12.0	10.5	-	7.8	9.9	5.6	4.5	3.6	5.9	2.4	1.92	1.57	1.29	1.07	0.89	0.75	
Total /	19	   	24	23	22	77	21	19.3	90	99	12.1	13.6	12.1	10.5	9	7.8	9.9	5.6	4.5	3.6	2.9	2.4	1.91	1.56	1.28	1.06	0.88	0.74	] [
	ius 		74	23	23	g	7	19.4	18.1	16.7	15.2	13.6	12.1	10.6	9.2	7.9	6.7	5.6	4.5	3.6	2.9	2.3	1.90	1.55	1.27	1.05	0.87	0.73	
	nees Cels		Ž	Á	N	23	21	2	18.2	16.7	15.2	13.7	12.2	10.6	9.2	7.9	6.7	5.6	4.9	3.6	2.9	2.3	8	1.55	1.26	9	0.86	0.72	
UTE	e in Deg	Y	<b>5</b> 7	24	33	22	7	8	18.3	16.8	15.3	13.8	12.2	10.7	9.2	7.9	6.7	5.6	4.5	3.6	2.0	2.3	1.90	1.54	1.26	1.03	0.85	0.71	
A&Ww - ACUTE	Temperature in Degrees Celsius	1	75	24	2	22	5	8	18.4	16.9	15.4	13.8	12.3	10.8	6.3	80	6.7	5.7	4.5	3.6	2.9	2.4	1.90	1.54	1.25	1.03	0.85	0.70	
A&W	F Hd	İ	6.5	6.6	6.7	9	6.9	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9	8.0	00	8.2	8	4,00	8.5	8.6	8.7	8.8	8.9	0.6	

pH and temperature are field measurements taken at the same time and location as the water samples destined for the laboratory analysis of ammonia. **NOTES:** 

If field measured pH and/or temperature values fall between the A&Ww Acute Total Ammonia tabblar values, round field measured values according to standard scientific rounding procedures to nearest tabular value to determine the ammonia standard. તં

Appendix B. List of Navigable Waters and Designated Uses Navigable water	Designated Use
COLORADO MAIN STEM RIVER BASIN	
A-10 Backwater	A&Ww, FBC, FC
A-7 Backwater	A&Ww, FBC, FC
Agate Creek Alamo Lake	——— A&We, FBC, DWS, FC
Big Sandy River	
Big Springs Tank	A&Ww, FBC, FC, AgL
Bill Williams River	
Blue Tank	
Boucher Creek	A&Ww, FBC, FC, AgL A&Wc, FBC, DWS, FC
Boulder-Creek	• • •
Bright Angel Creek	A&Ww, FBC, FC, AgI, AgL A&Wc, FBC, DWS, FC
Bright Angel Wash ¹ (Grand Canyon WWTP to Cataract Creek)	
Bull Rush Canyon Wash Burro Creek ² (above confluence with Boulder Creek)	A SWALL DO DO A ST
Cataract Creek (Headwaters to Williams WWTP)	A SWA EDC DWG EC ART ART
Cataract Creek (Williams WWTP to 3 km downstream)	A&Wedw, PBC
Cataract Creek (Below 3 km downstream of Williams WWTP)	
Cataract Lake	A&Wc. FBC. DWS. FC. AcL
Chuar Creek	
Cibola Lake	A&Wc, FBC, DWS, FC A&Ww. FBC, FC
City Reservoir	A & W., FBC, DUIC FC
Clear Creek	A&Ww, FBC, DWS, FC A&Wc, FBC, DWS, FC
Colorado River (Lake Powell to Topock)	
Colorado River (Egate rowen to repock)  Colorado River (Topock to Mexico)	A &We, FBC, DWS, FC, AgI, AgI
Coors Lake	A&WW, FBC, FC A&WW, FBC, FC
Cottonwood Creek	A SW. FDC DWG
Crystal Creek	
Deer Creek	A&Wc. FBC. DWS. FC
Detrital Wash	A&We, PBC
Diamond-Creek	A&We, FBC, FC, AgL
Dogtown Reservoir	A&We, FBC, DWS, FC, AgI, AgL
Dragon Creek	A&Ww. FBC, DWS, FC
Francis Creek ²	A&Ww, FBC, DWS, FC, AgL
1 1d1015 C100K	A&Wc. FBC. DWS. FC
Gila River (See listing in Middle Gila River Basin)	
	A&We. PBC
Granite Park Canyon Creek	A&Wc. FBC. FC
Grapevine Creek	A&Wc. FBC. DWS. FC
Grapevine Wash	A&We. PBC
Hakatai Creek	A&Wc. FBC. DWS. FC
Hance Creek	A&Wc, FBC, DWS, FC
Havasu Creek	A&We, FBC, DWS, FC, AgI, AgL
Hermit Creek	
Holy Moses Wash ¹ (Kingman WWTP to 5 km downstream)	A & Wedy PRC
Horn Creek	A&Wc, FBC, DWS, FC
Hualapai Wash	A & Www PRC
Hunter's Hole Backwater	A&Ww, FBC, FC
Imperial Reservoir	A&Ww FRC DWS FC Act Act
Jacob Lake	A & Www. FRC
Kaibab Lake	A&Wo FRO DWC FO Act Act
Kaibito Creek	A&Ww FRC FC AgL
Kanab Creek	A&Way FRC DWS FC Act
Kirkland Creek	A&Ww FRC FC Act Act
Kwagunt Creek	A&Wc FRC DWS FC
Laguna Reservoir	A&Ww FRC DWS FC Act Act
Lake Havasu	A&Ww, FBC, DWS, FC, AgI, AgI
Lake Mead	A&We ERC DWS EC Act Act
Lake Mohave	A&We FRC DWS FC Act Act
Lake Powell	A & We FRO DWS FO Act Act
Lonetree Canyon Creek	A & Ww. DBC DWS
Martinez Lake	A&Ww FRC FC Act Act
Matkatamiba Creek	A&Wa FRC DWS FC

Mohave Wash	A&We, PBC
	Designated Use
COLORADO MAIN STEM RIVER BASIN (cont.)	
Monument Creek	A&Ww, FBC, DWS, FC
Nankowaan Craek	A&Wc, FBC, DWS, FC
National Canyon Creek	A&Wc, FBC, DWS, FC
Navoia Canal	A&Ww, FBC, FC, AgL
North Canyon Creek	A&Wc, FBC, DWS, FC
Olo Creek	A&Ww, FBC, DWS, FC
Design Disease	A&Wc, FBC, DWS, FC
Populo's Canyon Creek2	A&Ww, FBC, AgL
Phantom Creek	-A&Wc, FBC, DWS, FC
Pino Crook	A&Wc, FBC, DWS, FC
Brotte: Water Leke	A&Ww, FBC, FC
Ovidlay Pands	A&Ww, FBC, FC
Red Canyon Creek	A&Ww, FBC, DWS
Dada da Into	A&Ww, FBC, FC
Pooring Springs Creek	A&Wc, FBC, DWS, FC
Povol Arch Creek	A&Wc, FBC, DWS, FC
Puly Craek	A&Wc, FBC, DWS, FC
Sacramento Wash	-A&We, PBC
Saddle Canyon Creek	-A&Wc, FBC, FC
Santa Fe Pesenvoir	A&Wc, FBC, DWS, FC
Santa Maria Piver	A&Ww, FBC, FC, AgI, AgL
Sannhire Creek	-A&We, FBC, DWS, FC
Carrier III Work	-A&Ww, PBC, AgL
Sementine Creek	A&Wc, PBC, DWS, FC
Shinumo Creek	A&Wc, FBC, DWS, FC
Short Creek	A&We, PBC
Slate Creek	A&Wc, FBC, DWS, FC
Spencer Canyon Creek	A&Wc, FBC, FC
Spring Convon Creek	-A&Wc, FBC, DWS, FC
Stone Creek	-A&Wc, FBC, DWS, FC
Towards Crasts	-A&Wc, FBC, DWS, FC
Three Springs Creek	A&Wc, FBC, DWS, FC
Thunder River	A&Wc, FBC, DWS, FC, AgL
Topock Marsh	- A&Ww, FBC, DWS, FC, AgI, AgL
Trail Canyon Creek	-A&Wc, FBC, DWS, FC
Travertine Falls Creek	- A&Wc, FBC, DWS, FC
Trout Creek	A&Ww, FBC, FC, AgL
Turquoise Creek	- A&Wc, FBC, DWS, FC
Unkar Creek	-A&Wc, FBC, DWS, FC
Unnamed Wash ¹ (Grand Canyon, North Rim WWTP to 1 km downstream)	A&Wedw, PBC
Upper-City Reservoir	-A&Ww, FBC, FC
Vasey's Paradise	A&Wc, FBC, DWS, FC
Virgin River	-A&Ww, FBC, FC, AgI, AgL
Vichnu Crook	A&Wc, FBC, DWS, FC
Warm Springs Creek	A&Ww, FBC, DWS
Wellton Canal	DWS, AgI, AgL
Wellton Ponds	- A&Ww, FBC, FC
White Creek	A&Ww, FBC, DWS, FC
Wia Manua Park Lake	-A&Ww, FBC, FC
YPG Pond	A&Ww, FBC, FC
Yuma Area Canals above municipal water treatment plant intakes	DWS, AgI, AgL
Yuma Area Canals below water treatment plant intakes and all drains	AgI, AgL
LITTLE COLORADO RIVER BASIN	
Antelone Lake	_A&Ww, FBC, FC, AgI, AgL
Ashurst Lake	A&Wc, FBC, FC, AgI, AgL
Rarbershop Canvon Creek	- A&Wc, FBC, FC, AgL
Bear Canvon Creek (Tributary to Blue Ridge Reservoir)	- A&Wc, FBC, FC, AgL
Bear Canyon Creek (Tributary to Willow Creek)	A&Wc, FBC, FC, AgL
Bear Canyon Lake	A&Wc, FBC, FC, AgI, AgL
Becker Lake	A&Wc, FBC, FC, AgL
Billy Creek	A&Wc, FBC, FC, AgL
<del>-</del>	

Black Canyon Creek	A&Wc, FBC, FC, AgI, AgL
Black Canyon Lake	A&Wc, FBC, DWS, FC, AgI, AgL
Black Creek (New Mexico Border to Fort Defiance WWTP)	A&Ww, FBC, AgI, AgL
Navigable water	Designated Use
LITTLE COLORADO RIVER BASIN (cont.)	
Black Creek (Fort Defrance WWTP to the Puerco River)	
Blue Ridge Reservoir	A&Wc, FBC, FC, AgI, AgL
Boot Lake	A&Ww, FBC, AgL
Buck Springs Canyon Creek	A&We, FBC, FC, AgL
Bunch Reservoir	A&Wc, FBC, FC, AgI, AgL
Camillo Tank	A&Ww, FBC, AgL
Carnero Lake	A&Wc, FBC, FC, AgL
Chevelon Canyon Lake	A&We, FBC, FC, AgI, AgL
Chevelon Creek	
Chevelon Creek, West Fork	A&Wc, FBC, FC, AgL
Chilson Tank	A&Ww, FBC, AgL
Cholla-Lake	A&Ww. FBC. FC. AgL
Clear Creek	A&Wc, FBC, DWS, FC, AgL
Clear Creek Reservoir	A&Wc, FBC, FC, AgI, AgL
Coconino Reservoir	A&We, FBC, FC, AgI, AgL
Colter-Creek	A&Wc, FBC, FC, AgL
Colter Reservair	A&Wc, FBC, FC, AgL
Concho Creek	A&Ww. FBC. FC. AgL
Concho Lake	A&Wc, FBC, FC, Agl, AgL
Cow Lake	A&Ww, FBC, AgL
Coyote Creek	A&Wc, FBC, FC, AgI, AgL
Crisis Lake (Snake Tank #2)	A&Ww. FBC, AgL
Dane Canyon Creek	A&We, FBC, FC, AgL
Daves Tank	
Deep Lake	A&Ww, FBC, AgL
	A&Ww, FBC, AgL
Dry Lake ¹ East Clear Creek	
Fish Creek	A&Wc, FBC, FC, AgI, AgL
TOTAL TOTAL	A&Wc, FBC, FC
Fool's Hollow Lake	A&Wc, FBC, FC, AgL
Ganado Lake	A&Ww, FBC, FC, AgI
General Springs Creek	A&Wc, FBC, FC, AgL
Hall Creek	A&Wc, FBC, FC, AgI, AgL
Hart Canyon Creek	A&Wc, FBC, FC, AgL
Hidden Lake	A&Ww, FBC, FC, AgI, AgL
Horse Lake	A&Ww, FBC, AgL
Huffer Tank	A&Ww, FBC, FC, AgL
Hulsey Creek	——— A&Wc, FBC, FC
Hulsey Lake	———A&Wc, FBC, FC
Jack's Canyon Creek	A&Ww, FBC, FC, AgI, AgL
Kinnikinick Lake	A&Wc, FBC, FC, AgL
Knoll Lake	A&Wc, FBC, FC, AgL
Lake-Humphreys ¹	A&Wedw, PBC
Lake Mary, lower	A&Wc, FBC, FC, AgL
Lake Mary, upper	A&We, FBC, DWS, FC, AgL
Lake of the Woods	A&Wc, FBC, FC, AgI, AgL
Lee Valley Creek	A&Wc, FBC, FC, AgL
Lee Valley Reservoir	A&Wc, FBC, FC, AgI, AgL
Leonard Canyon Creek	A&We, FBC, FC, AgL
Leonard Canyon Creek, East Fork	A&Wc, FBC, FC, AgL
Leonard Canyon Creek, Middle Fork	A&Wc, FBC, FC, AgL
Leonard Canyon Creek, West Fork	A&Wc, FBC, FC, AgL
Little Colorado River (Below Lyman Reservoir)	A&Ww, FBC, DWS, FC, AgI, AgL
Little Colorado River (West Fork below Government Springs)	A&Wc, FBC, FC, AgI, AgL
Little Colorado River ² (West Fork above Government Springs)	A&Wc, FBC, FC
Little Colorado River. East Fork	A&Wc, FBC, FC, AgI, AgL
Little Colorado River, South Fork	A&We, FBC, FC, AgI, AgL
Little George Reservoir	
Little Mormon Lake	A&Ww, FBC, FC, AgI
Little Ortega Lake	A&Ww, FBC, FC, AgI, AgL
Long Lake, lower	A&Ww, FBC, FC
LONG LARCE	A&We, FBC, FC, AgI, AgL

## Arizona Administrative Register

## Notices of Proposed Rulemaking

Long Lake, upper	A&Ww, FBC, AgL
Long Tom Tank	A&Wc, FBC, FC, AgL
Long 1911 Tank Lower Walnut Canyon Lake ¹	
Lyman Reservoir	
Mamie-Creek	7.00 11 U, 1 DU, 1 U, 1 Ig1, 1 Ig2
Navigable water	Designated Use
LITTLE COLORADO RIVER BASIN (cont.)	A O TYL. TOTO CO. TOCH A . Y
Marshall Lake Merritt Draw Creek	A&Wc, FBC, FC, AgL
Merritt Draw Creek	A&Wc, FBC, FC, AgL
Mexican Hay Lake	A&Wc, FBC, FC, AgI, AgL
Milk Creek Miller Canyon Creek	
	A&We, FBC, FC, AgL
Miller Canyon Creek, East Fork Mineral Creek	A&We, FBC, FC, AgI, AgL
Mormon Lake	A&Wc, FBC, DWS, FC, AgI, AgI
Morton Lake	A&Wc, FBC, FC, AgL
Mud Lake	
Ned Lake ¹	
Nelson Reservoir	
Nutrioso Creek	A&Wc, FBC, FC, AgI, AgL
Paddy Creek	A&Wo FRC FC
Pasture Canyon Lake	
Phoenix Park Wash	A&We, PBC
Pine Tank	A&Ww, FBC, AgL
Pintail Lake ¹	A&Wedw PBC
Porter Creek	
Potato Lake	A&Wc. FBC. AgL
Pratt Lake	A&Wc.FBC.FC
Puerco River	A&Ww. FBC, AgI, AgL
Quarter Circle Bar Tank	A&Ww, FBC, AgL
Rainbow Lake	A&Wc, FBC, FC, AgI, AgL
	A&Ww, FBC, FC, AgI
Rio de Flag ¹	
River Reservoir	A&Wc, FBC, FC, AgI, AgL
Rogers Reservoir	A&Ww, FBC, AgL
Russell Tank	
Sawmill Lakes	A&Ww, FBC, FC, AgI, AgL
Scott's Reservoir	
Show Low Creek	A&Wc, FBC, FC, AgI, AgL
Show Low Lake	A&Wc, FBC, FC, AgI, AgL
Silver Creek	A&Wc, FBC, FC, AgI, AgL
Soldiers Annex Lake	A&Wc, FBC, FC, AgI, AgL
Soldiers Lake	A&Wc, FBC, FC, AgI, AgL
Spaulding Tank	A&Ww, FBC, FC, AgL
Sponseller Lake	A&Ww, FBC
St. Johns Reservoir (Little Reservoir)	A&Ww, FBC, FC, AgI, AgL
Telephone Lake ¹	A&Wedw, PBC,
Trout Lake	
Tunnel Lake Turkey Creek	A&WC, FBC, FC, Agi, Agi
	A&Wc, FBC, FC, AgL
Walnut Creek	
Water Canyon Creek Whipple Lake	A & W., FBC, FC, AgL
White Mountain Lake	A & WAY DO DO A OF A OF
White Mountain Lake White Mountain Reservoir	A&Wc, FBC, FC, AgI, AgL A&Wc, FBC, FC, AgI, AgL
Willow Creek Willow Springs Creek	
Willow Springs Lake	A&We FRC FC Ad Ad
Woodland Reservoir	A&We FRC FC Act Act
Woods Canyon Creek	A&Wc_FRC_FC
Woods Canyon Lake	A&We, FBC, DWS, FC, AgI, AgI
Zuni River	

Unnamed wash (From Prescott Valley WVTP to confinence with Agus Fris River (Relow confluence with unnamed wash receiving treated wastewater from Prescott Valley WWTP to State Route 169) Agus Fris River (State Route 169 to Lake Pleasant) Agus Fris River (State Route 169 to Lake Pleasant) Agus Fris River (State Route 169 to Lake Pleasant) Agus Fris River (Lake Pleasant to the Surprise WWTP) Agus Fris River (Lake Pleasant to the Surprise WWTP) Agus Fris River (Lake Pleasant to the Surprise WWTP) Agus Fris River (Camelhock Road) Agus Fris River (Camelhock Road) Agus Fris River (Camelhock Road) Agus Fris River (Camelhock Road) Agus Fris River (Camelhock Road) Antelope Creek Antelope Creek Antelope Creek Antelope Creek Antelope Creek Antelope Creek Antelope Creek Antelope Creek Antelope Creek Antelope Creek Active Fig. Agi Agi. Active Fig. Agi. Agi. Active Fig. Agi. Agi. Active Fig. Agi. Agi. Active Fig. Agi. Agi. Active Fig. Agi. Agi. Active Fig. Agi. Agi. Active Fig. Agi. Agi. Active Fig. Agi. Agi. Active Fig. Agi. Agi. Active Fig. Agi. Agi. Active Fig. Agi. Agi. Active Fig. Agi. Agi. Active Fig. Agi. Agi. Active Fig. Agi. Agi. Active Fig. Agi. Agi. Active Fig. Agi. Agi. Active Fig. Agi. Agi. Active Fig. Agi. Agi. Active Fig. Agi. Agi. Active Fig. Agi. Agi. Active Fig. Agi. Agi. Active Fig. Agi. Agi. Active Fig. Agi. Agi. Active Fig. Agi. Agi. Active Fig. Agi. Agi. Active Fig. Agi. Agi. Active Fig. Agi. Agi. Active Fig. Agi. Agi. Active Fig. Agi. Agi. Active Fig. Agi. Agi. Active Fig. Agi. Agi. Active Fig. Agi. Agi. Active Fig. Agi. Active Fig. Agi. Active Fig. Agi. Active Fig. Agi. Active Fig. Agi. Active Fig. Agi. Active Fig. Agi. Active Fig. Agi. Active Fig. Agi. Active Fig. Agi. Active Fig. Agi. Active Fig. Agi. Active Fig. Agi. Active Fig. Agi. Active Fig. Agi. Active Fig. Agi. Active Fig. Agi. Active Fig. Agi. Active Fig. Agi. Active Fig. Agi. Active Fig. Agi. Active Fig. Agi. Active Fig. Agi. Active Fig. Agi. Active Fig. Agi. Active Fig. Agi. Active Fig. Agi. Active Fig. Agi. Active Fig. Agi. Active Fig. Agi	Agua Fria River (Above confluence with unnamed wash receiving	
Fise River) Agus Firs River (Below confluence with unnamed wach receiving treated wastewater from Prescent Valley WWFP to State Route 1699 A&Wedw, PBC, Agl, Agl. Agus Firs River (State Route 169 to Lake Pleasant) Navigable water MIDDLE GILA RIVER BASIN (cont.) Agus Firs River (Canelback Road to Avondade WWFP) Agus Firs River (Canelback Road to Avondade WWFP) Agus Firs River (Canelback Road to Avondade WWFP) Agus Firs River (Canelback Road to Avondade WWFP) Agus Firs River (Canelback Road to Avondade WWFP) Agus Firs River (Canelback Road to Avondade WWFP) Agus Firs River (Canelback Road to Avondade WWFP) Agus Firs River (Canelback Road to Avondade WWFP) Agus Firs River (Canelback Road to Avondade WWFP) Agus Firs River (Canelback Road to Avondade WWFP) Agus Firs River (Canelback Road to Avondade WWFP) Agus Firs River (Astendade WWFP-to Gila River Confluence) Agus Firs River (Astendade WWFP-to Gila River Confluence) Agus Firs River (Astendade WWFP-to Gila River (Fale advastres to Cave Creek Dam) Agus Firs River (Astendade Road to River) Agus Firs River (Astendade Road Road Road Road Road Road Road Road	treated wastewater from Prescott Valley WWTP)	— A&We, PBC, AgI, AgL
Agus Firia River (Below confluence with unnamed wach receiving treated wactewater from Prescett Valley WWTP to State Route 169)  Agus Firia River (State Route 169 to Lake Pleasant)  Agus Firia River (State Route 169 to Lake Pleasant)  Agus Firia River (Lake Pleasant to the Suprise WWTP)  Agus Firia River (Lake Pleasant to the Suprise WWTP)  Agus Firia River (Surprise WWTP to Camelback Road)  Agus Firia River (Surprise WWTP to Camelback Road)  Agus Firia River (Camelback Road to Avondale WWTP)  Agus Firia River (Aurelback Road to Road Road Road Road Road Road Road Roa	Unnamed wash (From Prescott Valley WWTP to confluence with Agua	
rerated wastewater from Prescott Valley WWTP to State Route 1699 A&Wedw, PBC, Agl, Agl Agua First River (State Route 169 to Lake Pleasant) Navigable water MIDDLE GILLA RIVER BASIN-(cont.) Agua Firis River (Lake Pleasant-to the Surprise WWTP) Agua Firis River (Cambelack Road) Agua Firis River (Cambelack Road) Agua Firis River (Cambelack Road) Agua Firis River (Cambelack Road) Agua Firis River (Cambelack Road) Agua Firis River (Cambelack Road) Agua Firis River (Cambelack Road) Agua Firis River (Auchate WWTP to Gila River confluence) Agua Firis River (Auchate WWTP to Gila River confluence) Antelope Creek Ash Creek Ash W.P. FBC, Agl, Agl Ash Creek Ash W.P. FBC, FC, Agl, Agl Ash W.P. FBC, FC, Agl, Agl Ash W.P. FBC, FC, Agl, Agl Ash W.P. FBC, FC, Agl, Agl Ash W.P. FBC, FC, Agl, Agl Ash W.P. FBC, FC, Agl, Agl Ash W.P. FBC, FC, Agl, Agl Ash W.P. FBC, FC, Agl, Agl Ash W.P. FBC, FC, Agl, Agl Ash W.P. FBC, FC, Agl, Agl Ash W.P. FBC, FC, Agl, Agl Ash W.P. FBC, FC, Agl, Agl Ash W.P. FBC, FC, Agl, Agl Ash W.P. FBC, FC, Agl, Agl Ash W.P. FBC, FC, Agl, Agl Ash W.P. FBC, FC, Agl, Agl Ash W.P. FBC, FC, Agl, Agl Ash W.P. FBC, FC, Agl, Agl Ash W.P. FBC, FC, Agl, Agl Ash W.P. FBC, FC, Agl, Agl Ash W.P. FBC, FC, Agl, Agl Ash W.P. FBC, FC, Agl, Agl Ash W.P. FBC, FC, Agl, Agl Ash W.P. FBC, FC, Agl, Agl Ash W.P. FBC, FC, Agl, Agl Ash W.P. FBC, FC, Agl, Agl Ash W.P. FBC, FC, Agl, Agl Ash W.P. FBC, FC, Agl, Agl Ash W.P. FBC, FC, Agl, Agl Ash W.P. FBC, FC, Agl, Agl Ash W.P. FBC, FC, Agl, Agl Ash W.P. FBC, FC, Agl, Agl Ash W.P. FBC, FC, Agl, Agl Ash W.P. FBC, FC, Agl, Agl Ash W.P. FBC, FC, Agl, Agl Ash W.P. FBC, FC, Agl, Agl Ash W.P. FBC, FC, Agl, Agl Ash W.P. FBC, FC, Agl, Agl Ash W.P. FBC, FC, Agl, Agl Ash W.P. FBC, FC, Agl, Agl Ash W.P. FBC, FC, Agl, Agl Ash W.P. FBC, FC, Agl, Agl Ash W.P. FBC, FC, Agl, Agl Ash W.P. FBC, FC, Agl, Agl Ash W.P. FBC, FC, Agl, Agl Ash W.P. FBC, FC, Agl, Agl Ash W.P. FBC, FC, Agl, Agl Ash W.P. FBC, FC, Agl, Agl Ash W.P. FBC, FC, Agl, Agl Ash W.P. FBC, FC, Agl, Agl Ash W.P. FBC, FC, Agl, Agl Ash W.P. FBC, FC,		A&Wedw, PBC
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Ague Fria River (Camelback Road) Active (Particular Road) Ague Fria River (Camelback Road to Annolale WWTP) Ague Fria River (Camelback Road to Annolale WWTP) Ague Fria River (Avondale WWTP to Glia River confluence) Antelope Creek Antelope Creek Antelope Creek Antelope Creek Antelope Creek Antelope Creek Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank Beehive Tank		A SWAY EDG EG AGI AGI
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Ague Fria River   (Avendale WWTP to Gila River confluence)  Active, PBC   Agl, Agl, Agl, Activer Ceek   Activer, PBC, Agl, Agl, Activer, Agl, Agl, Activer, Agl, Agl, Activer, Agl, Agl, Activer, Agl, Agl, Activer, Agl, Agl, Activer, Agl, Agl, Activer, Agl, Agl, Activer, Agl, Agl, Activer, Agl, Agl, Activer, Agl, Agl, Activer, Agl, Agl, Activer, Agl, Agl, Activer, Agl, Agl, Activer, Agl, Agl, Activer, Agl, Agl, Activer, Agl, Agl, Activer, Agl, Agl, Activer, Agl, Agl, Activer, Agl, Agl, Activer, Agl, Agl, Activer, Agl, Agl, Activer, Agl, Agl, Activer, Agl, Agl, Activer, Agl, Agl, Activer, Agl, Agl, Activer, Agl, Agl, Activer, Agl, Agl, Activer, Agl, Agl, Activer, Agl, Agl, Activer, Agl, Agl, Activer, Agl, Agl, Activer, Agl, Agl, Activer, Agl, Agl, Activer, Agl, Agl, Activer, Agl, Agl, Activer, Agl, Agl, Activer, Agl, Agl, Activer, Agl, Agl, Activer, Agl, Agl, Activer, Agl, Agl, Activer, Agl, Agl, Activer, Agl, Agl, Activer, Agl, Agl, Activer, Agl, Agl, Activer, Agl, Agl, Activer, Agl, Agl, Activer, Agl, Agl, Activer, Agl, Agl, Activer, Agl, Agl, Activer, Agl, Agl, Activer, Agl, Agl, Activer, Agl, Agl, Activer, Agl, Agl, Activer, Agl, Agl, Activer, Agl, Agl, Activer, Agl, Agl, Activer, Agl, Agl, Activer, Agl, Agl, Activer, Agl, Agl, Activer, Agl, Agl, Activer, Agl, Agl, Activer, Agl, Agl, Activer, Agl, Agl, Activer, Agl, Agl, Activer, Agl, Agl, Activer, Agl, Agl, Activer, Agl, Agl, Activer, Agl, Agl, Activer, Agl, Agl, Activer, Agl, Agl, Activer, Agl, Agl, Activer, Agl, Agl, Activer, Agl, Agl, Activer, Agl, Agl, Activer, Agl, Agl, Activer, Agl, Agl, Activer, Agl, Agl, Activer, Agl, Agl, Activer, Agl, Agl, Activer, Agl, Agl, Activer, Agl, Agl, Activer, Agl, Agl, Activer, Agl, Agl, Activer, Agl, Agl, Activer, Agl, Agl, Activer, Agl, Agl, Activer, Agl, Agl, Activer, Agl, Agl, Activer, Agl, Agl, Activer, Agl, Agl, Activer, Agl, Agl, Activer, Agl, Agl, Activer, Agl, Agl, Activer, Agl, Agl, Activer, Agl, Agl, Activer, Agl, Agl, Activer, Agl, Agl, Activer, Agl, Agl, Activer, Agl, Agl, Activer, Agl, Agl, Activer, Agl, Agl,	Agua Fria River (Camelback Road to Avondale WWTP)	
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Beehive Tank  A&Ww., FBC, CA, Agl., Agl. Blig Bug Creek Bliack Canyon Creek Black Canyon Creek Blind Indian Creek Cave Creek (Headwaters to Cave Creek Dam) Cave Creek (Headwaters to Cave Creek Dam) Cave Creek (Gave Creek Dam to the Arizona Canal) Cave Creek (Cave Creek Dam to the Arizona Canal) Cave Creek (Gave Creek Dam to the Arizona Canal) Cave Creek (Gave Creek Dam to the Arizona Canal) Cave Creek (Gave Creek Dam to the Arizona Canal) Cave Creek (Gave Creek Dam to the Arizona Canal) Cave Creek (Cave Creek Dam to the Colorance Contennial Wash Condon Canal) Calena Gulch Calena Gulch Calena Gulch Calena Gulch Calena Gulch Calena Gulch Calena Gulch Calena Gulch Calena Gulch Calena Gulch Calena Calena Calena Gulch Calena Culch Calena Calena Calena Gulch Calena Culch Calena Calena Calena Gulch Calena Calena Gulch Calena Calena Gulch Calena Calena Gulch Calena Calena Gulch Calena Calena Gulch Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena Calena	Ash Creek	A&Ww, FBC, FC, AgI, AgL
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Cave Creek (Headwaters to Cave Creek Dam)  A&Ww, FBC, FC, AgL Cave Creek (Cave Creek Dam to the Arizona Canal)  A&Ww, FBC Centennial Wash Centennial Wash Ponds  A&Ww, FBC, AgL A&Ww, FBC, AgL A&Ww, FBC, AgL A&Ww, FBC, AgL A&Ww, FBC, AgL A&Ww, FBC, AgL A&Ww, FBC, AgL A&Ww, FBC, AgL A&Ww, FBC, AgL A&Ww, FBC, AgL A&Ww, FBC, AgL A&Ww, FBC, AgL A&Ww, FBC, AgL A&Ww, FBC, AgL A&Ww, FBC, AgL A&Ww, FBC, AgL A&Ww, FBC, AgL A&Ww, FBC, AgL A&Ww, FBC, FC, Agl, AgL Gila River (Gillespie Dam)  A&Ww, FBC, FC, Agl, AgL Gila River (Gillespie Dam to the Painted Rock Dam)  Gila River (Gillespie Dam to the Painted Rock Dam)  Gila River (Gillespie Dam to the Colorade River)  A&Ww, FBC, FC, Agl, Agl A&Ww, FBC, FC, Agl, Agl A&Ww, FBC, FC, Agl, Agl A&Ww, FBC, FC, Agl, Agl A&Ww, FBC, FC, Agl, Agl A&Ww, FBC, FC, Agl, Agl A&Ww, FBC, FC, Agl, Agl A&Ww, FBC, FC, Agl, Agl A&Ww, FBC, FC, Agl, Agl A&Ww, FBC, FC, Agl, Agl A&Ww, FBC, FC, Agl, Agl A&Ww, FBC, FC, Agl, Agl A&Ww, FBC, FC, Agl, Agl A&Ww, FBC, FC, Agl, Agl A&Ww, FBC, FC, Agl, Agl A&Ww, FBC, FC, Agl, Agl A&Ww, FBC, FC, Agl, Agl A&Ww, FBC, FC, Agl, Agl A&Ww, FBC, FC, Agl, Agl A&Ww, FBC, FC, Agl, Agl A&Ww, FBC, FC, Agl, Agl A&Ww, FBC, FC, Agl, Agl A&Ww, FBC, FC, Agl, Agl A&Ww, FBC, FC, Agl, Agl A&Ww, FBC, FC, Agl, Agl A&Ww, FBC, FC, Agl, Agl A&Ww, FBC, FC, Agl, Agl A&Ww, FBC, FC, Agl, Agl A&Ww, FBC, FC, Agl, Agl A&Ww, FBC, FC, Agl, Agl A&Ww, FBC, FC, Agl, Agl A&Ww, FBC, FC, Agl, Agl A&Ww, FBC, FC, Agl, Agl A&Ww, FBC, FC, Agl, Agl A&Ww, FBC, FC, Agl, Agl A&Ww, FBC, FC, Agl, Agl A&Ww, FBC, FC, Agl, Agl A&Ww, FBC, FC, Agl, Agl A&Ww, FBC, FC, Agl, Agl A&Ww, FBC, FC, Agl, Agl A&Ww, FBC, FC, Agl, Agl A&Ww, FBC, FC, Agl, Agl A&Ww, FBC, FC, Agl, Agl A&Ww, FBC, FC, Agl, Agl A&Ww, FBC, FC, Agl, Agl A&Ww, FBC, FC, Agl, Agl A&Ww, FBC, FC, Agl, Agl A&Ww, FBC, FC, Agl, Agl A&Ww, FBC, FC, Agl, Agl A&Ww, FBC, FC, Agl, Agl A&Ww, FBC, FC, Agl, Agl A&Ww, FBC, FC, Agl, Agl A&Ww, FBC, FC, Agl, Agl A&Ww, FBC, FC, Agl, Agl A&Ww, FBC, FC, Agl, Agl A&Ww, FBC, FC, Agl, Agl A&Ww, FBC, FC, Agl, Agl A&Ww, FBC, FC, Ag		A&Ww, FBC, AgI, AgL
Cave Creek (Cave Creek Dam to the Arizona Canal)  A&We, PBC Centennial Wash Ponds Galena Gulch Galena Gulch Galena Gulch Galena Gulch Gila River (Ashurst Hayden Dam to the Florence WWTP) A&Ww, FBC, AgL Gila River (Florence WWTP to Felix Road) Gila River (Florence WWTP to Felix Road) Gila River (Galtx Road to the Salt River) Gila River (Galtx Road to the Salt River) A&Ww, FBC, FC, AgL, AgL Gila River (Gillespie Dam) A&Wedw, FBC, FC, Agl, Agl Gila River (Gillespie Dam to the Painted Rock Dam) Gila River (Gillespie Dam to the Painted Rock Dam) Gila River (Gillespie Dam to the Colorado River) A&Ww, FBC, FC, Agl, Agl Gila River (Fleathed Rock Dam to the Colorado River) A&Ww, FBC, FC, Agl, Agl Hassayampa Lake A&Ww, FBC, FC, Agl, Agl Hassayampa River (from 8 miles south of Wickenburg) A&We, FBC, DWS, FC, Agl, Agl Hassayampa River (from 8 miles south of Wickenburg) A&Ww, FBC, FC, Agl, Agl Hit Tank Horsethief Basin Lake A&Ww, FBC, FC, Agl, Agl Hit Tank A&Ww, FBC, FC, Agl, Agl Hit Tank Horsethief Basin Lake A&Ww, FBC, FC, Agl, Agl Lake Pleasant Little Ash Creek Lynx Creek Lynx Creek A&Ww, FBC, FC, Agl, Agl A&Ww, FBC, FC, Agl, Agl A&Ww, FBC, FC, Agl, Agl A&Ww, FBC, FC, Agl, Agl A&Ww, FBC, FC, Agl, Agl A&Ww, FBC, FC, Agl, Agl A&Ww, FBC, FC, Agl, Agl A&Ww, FBC, FC, Agl, Agl A&Ww, FBC, FC, Agl, Agl A&Ww, FBC, FC, Agl, Agl A&Ww, FBC, FC, Agl, Agl A&Ww, FBC, FC, Agl, Agl A&Ww, FBC, FC, Agl, Agl A&Ww, FBC, FC, Agl, Agl A&Ww, FBC, FC, Agl, Agl A&Ww, FBC, FC, Agl, Agl A&Ww, FBC, FC, Agl, Agl A&Ww, FBC, FC, Agl, Agl A&Ww, FBC, FC, Agl, Agl A&Ww, FBC, FC, Agl, Agl A&Ww, FBC, FC, Agl, Agl A&Ww, FBC, FC, Agl, Agl A&Ww, FBC, FC, Agl, Agl A&Ww, FBC, FC, Agl, Agl A&Ww, FBC, FC, Agl, Agl A&Ww, FBC, FC, Agl, Agl A&Ww, FBC, FC, Agl, Agl A&Ww, FBC, FC, Agl, Agl A&Ww, FBC, FC, Agl, Agl A&Ww, FBC, FC, Agl, Agl A&Ww, FBC, FC, Agl, Agl A&Ww, FBC, FC, Agl, Agl A&Ww, FBC, FC, Agl, Agl A&Ww, FBC, FC, Agl, Agl A&Ww, FBC, FC, Agl, Agl A&Ww, FBC, FC, Agl, Agl A&Ww, FBC, FC, Agl, Agl A&Ww, FBC, FC, Agl, Agl A&Ww, FBC, FC, Agl, Agl A&Ww, FBC, FC, Agl,		A&Ww, FBC, FC, AgI, AgL
Centennial Wash Ponds  Galena Gulch  Galena Gulch  Gila River (Ashurst Hayden Dam-to-the Florence WWTP)  Gila River (Florence WWTP to Felix Road)  Gila River (Florence WWTP to Felix Road)  Gila River (Folix Road to the Salt River)  Gila River (Salt River to the Gillespie Dam)  Gila River (Salt River to the Gillespie Dam)  Gila River (Gillespie Dam to the Painted Rock Dam)  Gila River (Gillespie Dam to the Painted Rock Dam)  A&Ww, FBC, FC, Agl, AgL  A&Ww, FBC, FC, Agl, AgL  A&Ww, FBC, FC, Agl, AgL  A&Ww, FBC, D. Mys, FC,  Hassayampa Lake  Hassayampa River (Headwaters to 8 miles south of Wickenburg)  Hassayampa River (from 8 miles south of Wickenburg to the  Buckeye Irrigation Company canal)  Hit Tank  A&Ww, FBC, Agl, AgL  A&Ww, FBC, Agl, AgL  A&Ww, FBC, Agl, AgL  A&Ww, FBC, Agl, AgL  A&Ww, FBC, Agl, AgL  A&Ww, FBC, Agl, AgL  A&Ww, FBC, Agl, AgL  A&Ww, FBC, Agl, AgL  A&Ww, FBC, Agl, AgL  A&Ww, FBC, Agl, AgL  A&Ww, FBC, Agl, AgL  A&Ww, FBC, C, Agl, AgL  A&Ww, FBC, D. DWS, FC, Agl, AgL  A&Ww, FBC, FC, Agl, AgL  A&Ww, FBC, FC, Agl, AgL  A&Ww, FBC, FC, Agl, AgL  A&Ww, FBC, Agl, AgL  A&Ww, F		A&Ww, FBC, FC, AgL
Centennial Wash Ponds Galena Gulch Galena Gulch Galena Gulch Galena Gulch Galena Gulch Galena Gulch Galena Gulch Galena Gulch A&Ww, FBC, AgL A&Ww, PBC, AgL A&Ww, PBC, FC, AgL Gila River (Februsce WWTP to Februsce WWTP) A&Ww, FBC, FC, AgL Gila River (Salt River to the Gillespie Dam) A&Wedw, PBC, AgL Gila River (Gillespie Dam to the Painted Rock Dam) Gila River (Gillespie Dam to the Painted Rock Dam) Gila River (Gillespie Dam to the Painted Rock Dam) Gila River (Gillespie Dam to the Painted Rock Dam) Groom Creek Hassayampa Lake Hassayampa Lake Hassayampa Lake Hassayampa River (Headwaters to 8 miles south of Wickenburg) Hassayampa River (From 8 miles south of Wickenburg to the Buckeye Irrigation Company canal) Hit Tank Hassayampa River (From 8 miles south of Wickenburg to the Buckeye Irrigation Company canal) Hit Tank Lake Pleasant Little Ash Creek Lake Pleasant Little Ash Creek Lynx Creek Lynx Creek Lynx Creek Lynx Creek Lynx Creek Lynx Creek Lynx Catek A&Ww, FBC, FC, Agl, AgL A&Ww, FBC, FC, Agl, AgL A&Ww, FBC, FC, Agl, AgL A&Ww, FBC, FC, Agl, AgL A&Ww, FBC, FC, Agl, AgL A&Ww, FBC, FC, Agl, AgL A&Ww, FBC, FC, Agl, AgL A&Ww, FBC, FC, Agl, AgL A&Ww, FBC, FC, Agl, AgL A&Ww, FBC, FC, Agl, AgL A&Ww, FBC, FC, Agl, AgL A&Ww, FBC, FC, Agl, AgL A&Ww, FBC, FC, Agl, AgL A&Ww, FBC, FC, Agl, AgL A&Ww, FBC, FC, Agl, AgL A&Ww, FBC, FC, Agl, AgL A&Ww, FBC, FC, Agl, AgL A&Ww, FBC, FC, Agl, AgL A&Ww, FBC, FC, Agl, AgL A&Ww, FBC, FC, Agl, AgL A&Ww, FBC, FC, Agl, AgL A&Ww, FBC, FC, Agl, AgL A&Ww, FBC, FC, Agl, AgL A&Ww, FBC, FC, Agl, AgL A&Ww, FBC, FC, Agl, AgL A&Ww, FBC, FC, Agl, AgL A&Ww, FBC, FC, Agl, AgL A&Ww, FBC, FC, Agl, AgL A&Ww, FBC, FC, Agl, AgL A&Ww, FBC, FC, Agl, AgL A&Ww, FBC, FC, Agl, AgL A&Ww, FBC, FC, Agl, AgL A&Ww, FBC, FC, Agl, AgL A&Ww, FBC, FC, Agl, AgL A&Ww, FBC, FC, Agl, AgL A&Ww, FBC, FC, Agl, AgL A&Ww, FBC, FC, Agl, AgL A&Ww, FBC, FC, Agl, AgL A&Ww, FBC, FC, Agl, AgL A&Ww, FBC, FC, Agl, AgL A&Ww, FBC, FC, Agl, AgL A&Ww, FBC, FC, Agl, AgL A&Ww, FBC, FC, Agl, AgL A&Ww, FBC, FC, Agl, AgL A&Ww, FBC, FC, Agl, AgL		
Galena Guleh Gila River (Ashurst Hayden Dam to the Florence WWTP) Gila River (Florence WWTP to Felix Road) A&Ww, FBC, FC, AgL Gila River (Florence WWTP to Felix Road) A&Ww, FBC, FC, AgL Gila River (Felix Road to the Salt River) A&Ww, FBC, FC, AgL Gila River (Salt River to the Gillespie Dam) A&Ww, FBC, FC, AgL Gila River (Painted Rock Dam to the Painted Rock Dam) A&Ww, FBC, FC, AgL Gila River (Painted Rock Dam to the Colorade River) A&Ww, FBC, FC, AgL Gila River (Painted Rock Dam to the Colorade River) A&Ww, FBC, FC, AgL Groom Creek A&Ww, FBC, FC, AgL Hassayampa River (Headwaters to 8 miles south of Wickenburg) A&We, FBC, FC, AgL Hassayampa River (Headwaters to 8 miles south of Wickenburg) A&We, FBC, FC, AgL Hassayampa River (from 8 miles south of Wickenburg to the Buckeye Irrigation Company canal) Hit Tank Horsethief Basin Lake A&We, FBC, FC, AgL Horsethief Basin Lake A&We, FBC, FC, AgL Lake Pleasant Little Ash Creek Lynx Creek Lynx Creek A&Ww, FBC, FC, AgL A&Ww, FBC, FC, AgL A&Ww, FBC, FC, AgL A&Ww, FBC, FC, AgL A&Ww, FBC, FC, AgL A&Ww, FBC, FC, AgL A&Ww, FBC, FC, AgL A&Ww, FBC, FC, AgL A&Ww, FBC, FC, AgL A&Ww, FBC, FC, AgL A&Ww, FBC, FC, AgL A&Ww, FBC, FC, AgL A&Ww, FBC, FC, AgL A&Ww, FBC, FC, AgL A&Ww, FBC, FC, AgL A&Ww, FBC, FC, AgL A&Ww, FBC, FC, AgL A&Ww, FBC, FC, AgL A&Ww, FBC, FC, AgL A&Ww, FBC, FC, AgL A&Ww, FBC, FC, AgL A&Ww, FBC, FC, AgL A&Ww, FBC, FC, AgL A&Ww, FBC, FC, AgL A&Ww, FBC, FC, AgL A&Ww, FBC, FC, AgL A&Ww, FBC, FC, AgL A&Ww, FBC, FC, AgL A&Ww, FBC, FC, AgL A&Ww, FBC, FC, AgL A&Ww, FBC, FC, AgL A&Ww, FBC, FC, AgL A&Ww, FBC, FC, AgL A&Ww, FBC, FC, AgL A&Ww, FBC, FC, AgL A&Ww, FBC, FC, AgL A&Ww, FBC, FC, AgL A&Ww, FBC, FC, AgL A&Ww, FBC, FC, AgL A&Ww, FBC, FC, AgL A&Ww, FBC, FC, AgL A&Ww, FBC, FC, AgL A&Ww, FBC, FC, AgL A&Ww, FBC, FC, AgL A&Ww, FBC, FC, AgL A&Ww, FBC, FC, AgL A&Ww, FBC, FC, AgL A&Ww, FBC, FC, AgL A&Ww, FBC, FC, AgL A&Ww, FBC, FC, AgL A&Ww, FBC, FC, AgL A&Ww, FBC, FC, AgL A&Ww, FBC, FC, AgL A&Ww, FBC, FC, AgL A&Ww, FBC, FC, AgL A&Ww, FBC, FC, AgL A&Ww, FBC, FC, AgL A&Ww, FBC,		
Gila River (Ashurst Hayden Dam to the Florence WWTP)  A&W., FBC, FC, AgL Gila River (Felix Road to the Salk River)  A&W., FBC, AgL A&W., FBC, AgL A&W., FBC, AgL A&W., FBC, AgL A&W., FBC, FC, AgL A&W., FBC, AgL A&W., FBC, FC, AgL A&W., FBC, FC, AgL A&W., FBC, FC, AgL A&W., FBC, FC, AgL A&W., FBC, DWS, FC, A&W., FBC, DWS, FC, A&W., FBC, DWS, FC, A&W., FBC, FC, AgL A&W., FBC, FC, AgL A&W., FBC, FC, AgL A&W., FBC, FC, AgL A&W., FBC, DWS, A&W., FBC, DWS, A&W., FBC, DWS, A&W., FBC, DWS, A&W., FBC, DWS, A&W., FBC, DWS, A&W., FBC, DWS, A&W., FBC, DWS, A&W., FBC, DWS, A&W., FBC, DWS, A&W., FBC, DWS, A&W., FBC, DWS, A&W., FBC, DWS, A&W., FBC, DWS, A&W., FBC, DWS, A&W., FBC, DWS, A&W., FBC, DWS, AWW., FBC, FC, AgL A&W., FBC, DWS, AWW., FBC, FC, AgL A&W., FBC, FC, AgL A&W., FBC, DWS, AWW., FBC, FC, AgL A&W., FBC		
Gila River (Felix Road to the Salt River) Gila River (Salt River to the Gillespie Dam) A&Ww, PBC, AgL Gila River (Gillespie Dam to the Painted Rock Dam) A&Ww, PBC, FC, AgL, AgL A&Ww, PBC, FC, AgL, AgL Gila River (Gillespie Dam to the Painted Rock Dam) A&Ww, PBC, AgL, AgL A&Ww, PBC, AgL, AgL A&Ww, PBC, AgL, AgL A&Ww, PBC, AgL, AgL A&Ww, PBC, AgL, AgL A&Ww, PBC, AgL, AgL A&Ww, PBC, DWS, FC, AgL, AgL A&Ww, FBC, DWS, FC, AgL, AgL A&Ww, FBC, DWS, FC, AgL, AgL A&Ww, FBC, FC, AgL, AgL A&Ww, FBC, FC, AgL, AgL A&Ww, FBC, FC, AgL, AgL A&Ww, FBC, FC, AgL, AgL A&Ww, FBC, FC, AgL, AgL A&Ww, FBC, DWS, FC, AgL A&Ww, FBC, DWS, FC, AgL A&Ww, FBC, DWS, FC, AgL A&Ww, FBC, DWS, FC, AgL A&Ww, FBC, DWS, FC, AgL A&Ww, FBC, FC, AgL A&Ww, FBC, FC, AgL A&Ww, FBC, FC, AgL A&Ww, FBC, FC, AgL A&Ww, FBC, FC, AgL A&Ww, FBC, FC, AgL A&Ww, FBC, FC, AgL A&Ww, FBC, FC, AgL A&Ww, FBC, FC, AgL A&Ww, FBC, FC, AgL, AgL A&Ww, FBC, FC, AgL, AgL A&Ww, FBC, FC, AgL, AgL A&Ww, FBC, FC, AgL, AgL A&Ww, FBC, FC, AgL, AgL A&Ww, FBC, FC, AgL, AgL A&Ww, FBC, FC, AgL, AgL A&Ww, FBC, FC, AgL, AgL A&Ww, FBC, FC, AgL, AgL A&Ww, FBC, FC, AgL, AgL A&Ww, FBC, FC, AgL, AgL A&Ww, FBC, FC, AgL, AgL A&Ww, FBC, FC, AgL, AgL A&Ww, FBC, FC, AgL, AgL A&Ww, FBC, FC, AgL, AgL A&Ww, FBC, FC, AgL, AgL A&Ww, FBC, FC, AgL, AgL A&Ww, FBC, FC, AgL, AgL A&Ww, FBC, FC, AgL, AgL A&Ww, FBC, FC, AgL, AgL A&Ww, FBC, FC, AgL, AgL A&Ww, FBC, FC, AgL, AgL A&Ww, FBC, FC, AgL, AgL A&Ww, FBC, FC, AgL, AgL A&Ww, FBC, FC, AgL, AgL A&Ww, FBC, FC, AgL, AgL A&Ww, FBC, FC, AgL, AgL A&Ww, FBC, FC, AgL, AgL A&Ww, FBC, FC, AgL, AgL A&Ww, FBC, FC, AgL A&Ww, FBC, FC, AgL A&Ww, FBC, FC, AgL A&Ww, FBC, FC, AgL A&Ww, FBC, FC, AgL A&Ww, FBC, FC, AgL A&Ww, FBC, FC, AgL A&Ww, FBC, FC, AgL A&Ww, FBC, FC, AgL A&Ww, FBC, FC, AgL A&Ww, FBC, FC, AgL A&Ww, FBC, FC, AgL A&Ww, FBC, FC, AgL A&Ww, FBC, FC, AgL A&Ww, FBC, FC, AgL A&Ww, FBC, FC, AgL A&Ww, FBC, FC, AgL A&Ww, FBC, FC, AgL A&Ww, FBC, FC, AgL A&Ww, FBC, FC, AgL A&Ww, FBC, FC, AgL A&Ww, FBC, FC, AgL A&Ww, FBC, FC, AgL A&Ww, FBC, FC, AgL A&Ww, FBC, FC, AgL A&Ww,		
Gila River (Felix Road to the Salt River)  Gila River (Salt River to the Gillespie Dam)  Gila River (Gillespie Dam)  Gila River (Gillespie Dam)  Gila River (Gillespie Dam)  Gila River (Painted Rock Dam to the Painted Rock Dam)  Gila River (Painted Rock Dam to the Painted Rock Dam)  A&Ww, FBC, FC, AgI, AgL  A&Ww, FBC, DWS, FC,  A&Ww, FBC, DWS, FC,  A&Ww, FBC, DWS, FC,  A&Ww, FBC, FC, AgI, AgL  A&Ww, FBC, FC, AgI, AgL  A&Ww, FBC, FC, AgI, AgL  A&Ww, FBC, FC, AgI, AgL  A&Ww, FBC, FC, AgI, AgL  A&Ww, FBC, FC, AgI, AgL  A&Ww, FBC, FC, AgI, AgL  A&Ww, FBC, FC, AgI, AgL  A&Ww, FBC, FC, AgI, AgL  A&Ww, FBC, FC, AgI, AgL  A&Ww, FBC, FC, AgI, AgL  A&Ww, FBC, FC, AgI, AgL  A&Ww, FBC, FC, AgI, AgL  A&Ww, FBC, FC, AgI, AgL  A&Ww, FBC, FC, AgI, AgI  A&Ww, FBC, FC, AgI, AgI  A&Ww, FBC, FC, AgI, AgI  A&Ww, FBC, FC, AgI, AgI  A&Ww, FBC, FC, AgI, AgI  A&Ww, FBC, FC, AgI, AgI  A&Ww, FBC, FC, AgI, AgI  A&Ww, FBC, FC, AgI, AgI  A&Ww, FBC, FC, AgI, AgI  A&Ww, FBC, FC, AgI, AgI  A&Ww, FBC, FC, AgI, AgI  A&Ww, FBC, FC, AgI, AgI  A&Ww, FBC, FC, AgI, AgI  A&Ww, FBC, FC, AgI, AgI  A&Ww, FBC, FC, AgI, AgI  A&Ww, FBC, FC, AgI, AgI  A&Ww, FBC, FC, AgI, AgI  A&Ww, FBC, FC, AgI, AgI  A&Ww, FBC, FC, AgI, AgI  A&Ww, FBC, FC, AgI, AgI  A&Ww, FBC, FC, AgI, AgI  A&Ww, FBC, FC, AgI, AgI  A&Ww, FBC, FC, AgI, AgI  A&Ww, FBC, FC, AgI, AgI  A&Ww, FBC, FC, AgI, AgI  A&Ww, FBC, FC, AgI, AgI  A&Ww, FBC, FC, AgI, AgI  A&Ww, FBC, FC, AgI, AgI  A&Ww, FBC, FC, AgI, AgI  A&Ww, FBC, FC, AgI, AgI  A&Ww, FBC, FC, AgI, AgI  A&Ww, FBC, FC, AgI, AgI  A&Ww, FBC, FC, AgI, AgI  A&Ww, FBC, FC, AgI, AgI  A&Ww, FBC, FC, AgI, AgI  A&Ww, FBC, FC, AgI, AgI  A&Ww, FBC, FC, AgI, AgI  A&Ww, FBC, FC, AgI, AgI  A&Ww, FBC, FC, AgI, AgI  A&Ww, FBC, FC, AgI, AgI  A&Ww, FBC, FC, AgI, AgI  A&Ww, FBC, FC, AgI, AgI  A&Ww, FBC, FC, AgI, AgI  A&Ww, FBC, FC, AgI, AgI  A&Ww, FBC, FC, AgI, AgI  A&Ww, FBC, FC, AgI, AgI  A&Ww, FBC, FC, AgI, AgI  A&Ww, FBC, FC, AgI, AgI  A&Ww, FBC, FC, AgI, AgI  A&Ww, FBC, FC, AgI, AgI  A&Ww, FBC, FC, AgI, AgI  A&Ww, FBC, FC, AgI, AgI  A&Ww, FBC, FC, AgI, AgI		
Gila River (Salt River to the Gillespie Dam)  A&Wedw, PBC, FC, Agl, Agl Gila River (Gillespie Dam to the Painted Rock Dam)  Gila River (Painted Rock Dam to the Painted Rock Dam)  Gila River (Painted Rock Dam to the Painted Rock Dam)  Groom Creek  Hassayampa Lake  Hassayampa Lake  Hassayampa Lake  Hassayampa Lake  Hassayampa River (Headwaters to 8 miles south of Wickenburg)  Hassayampa River (From 8 miles south of Wickenburg)  Hassayampa River (From 8 miles south of Wickenburg to the  Buckeye Irrigation Company canal)  Hit Tank  A&We, FBC, DWS, FC, Agl, Agl  A&We, FBC, DWS, FC, Agl, Agl  Lake Pleasant  Little Ash Creek  Lynx Creek  Lynx Creek  Lynx Lake  Martinez Creek  Maw, FBC, FC, Agl, Agl  A&We, FBC, DWS, FC, Agl, Agl  A&We, FBC, DWS, FC, Agl, Agl  A&We, FBC, DWS, FC, Agl, Agl  A&We, FBC, DWS, FC, Agl, Agl  A&We, FBC, DWS, FC, Agl, Agl  A&We, FBC, DWS, FC, Agl, Agl  A&We, FBC, FC, Agl, Agl  A&We, FBC, FC, Agl, Agl  A&We, FBC, FC, Agl, Agl  A&We, FBC, FC, Agl, Agl  A&We, FBC, FC, Agl, Agl  A&We, FBC, FC, Agl, Agl  A&We, FBC, FC, Agl, Agl  A&We, FBC, FC, Agl, Agl  A&We, FBC, FC, Agl, Agl  A&We, FBC, FC, Agl, Agl  A&We, FBC, FC, Agl, Agl  A&We, FBC, FC, Agl, Agl  A&We, FBC, FC, Agl, Agl  A&We, FBC, FC, Agl, Agl  A&We, FBC, FC, Agl, Agl  A&We, FBC, FC, Agl, Agl  A&We, FBC, FC, Agl, Agl  A&We, FBC, FC, Agl, Agl  A&We, FBC, Agl, Agl  A&We, FBC, FC, Agl		
Gila River (Gillespie Dam to the Painted Rock Dam)  Gila River (Painted Rock Dam to the Colorado River)  Gila River (Painted Rock Dam to the Colorado River)  Groom Creek  Hank Raymond Lake  Hassayampa Lake  Hassayampa River (Headwaters to 8 miles south of Wickenburg)  Hassayampa River (From 8 miles south of Wickenburg to the  Buckeye Irrigation Company canal)  Hit Tank  Horsethief Basin Lake  Lake Pleasant  Lake  Lake Pleasant  Little Ash Creek  Lynx Creek  Lynx Creek  Lynx Creek  Lynx Creek  Painted Rock Lake  Painted Rock Lake  Painted Rock Lake  Painted Rock Lake  Painted Rock Lake  Poerry Mess Tank  Picacho Reservoir  Queen Creek (Superior WWTP)  Queen Creek (Below Potts Canyon)  Sycamore Creek  Unnamed Wash (Gila Bend WWTP to the Gila River)  Unnamed Wash (Queen Valley WWTP to Queen Creek)  Rock Canyon Creek  Creek  Creek  Caww, FBC  A&Ww, FBC  A&Ww, FBC  A&Ww, FBC, FC, AgI, AgI  A&Ww, FBC, FC, AgI, AgI  A&Ww, FBC, FC, AgI, AgI  A&Ww, FBC, FC, AgI, AgI  A&Ww, FBC, FC, AgI, AgI  A&Ww, FBC, FC, AgI, AgI  A&Ww, FBC, FC, AgI, AgI  A&Ww, FBC, FC, AgI, AgI  A&Ww, FBC, FC, AgI, AgI  A&Ww, FBC, FC, AgI, AgI  A&Ww, FBC, FC, AgI, AgI  A&Ww, FBC, FC, AgI, AgI  A&Ww, FBC, FC, AgI, AgI  A&Ww, FBC, FC, AgI, AgI  A&Ww, FBC, FC, AgI, AgI  A&Ww, FBC, FC, AgI, AgI  A&Ww, FBC, FC, AgI, AgI  A&Ww, FBC, FC, AgI, AgI  A&Ww, FBC, FC, AgI, AgI  A&Ww, FBC, FC, AgI, AgI  A&Ww, FBC, FC, AgI, AgI  A&Ww, FBC, FC, AgI, AgI  A&Ww, FBC, FC, AgI, AgI  A&Ww, FBC, FC, AgI, AgI  A&Ww, FBC, FC, AgI, AgI  A&Ww, FBC, FC, AgI, AgI  A&Ww, FBC, FC, AgI, AgI  A&Ww, FBC, FC, AgI, AgI  A&Ww, FBC, FC, AgI, AgI  A&Ww, FBC, FC, AgI, AgI  A&Ww, FBC, FC, AgI, AgI  A&Ww, FBC, FC, AgI, AgI  A&Ww, FBC, FC, AgI, AgI  A&Ww, FBC, FC, AgI, AgI  A&Ww, FBC, FC, AgI, AgI  A&Ww, FBC, FC, AgI, AgI  A&Ww, FBC, FC, AgI, AgI  A&Ww, FBC, FC, AgI, AgI  A&Ww, FBC, FC, AgI, AgI  A&Ww, FBC, FC, AgI, AgI  A&Ww, FBC, FC, AgI, AgI  A&Ww, FBC, FC, AgI, AgI  A&Ww, FBC, FC, AgI, AgI  A&Ww, FBC, FC, AgI, AgI  A&Ww, FBC, FC, AgI, AgI  A&Ww, FBC, FC, AgI, AgI  A&Ww, FBC, FC, AgI, AgI		
Gila River (Painted Rock Dam to the Colorado River)  Groom Creek  Hank Raymond Lake  Hassayampa Lake  Hassayampa River (Headwaters to 8 miles south of Wickenburg)  Hassayampa River (Form 8 miles south of Wickenburg)  Hassayampa River (From 8 miles south of Wickenburg to the  Buckeye Irrigation Company canal)  Hit Tank  Horsethief Basin Lake  Lake Pleasant  Lake Pleasant  Little Ash Creek  Lynx Creek  Lynx Creek  Lynx Lake  Maw, FBC, FC, AgI, AgL  A&W, FBC, F	Gila River (Gillespie Dam to the Painted Pack Dam)	
Groom Creek Hank Raymond Lake Hassayampa Lake Hassayampa Lake Hassayampa River (Headwaters to 8 miles south of Wickenburg) Hassayampa River (from 8 miles south of Wickenburg) A&Ww, FBC, FC, AgI, AgI Hassayampa River (from 8 miles south of Wickenburg to the Buckeye Irrigation Company canal) Hit Tank Horsethief Basin Lake Lake Pleasant Lake Lake Pleasant Lake Lynx Creek Lynx Creek Lynx Creek Lynx Creek Lynx Creek Lynx Creek A&Ww, FBC, FC, AgI, AgI Aww, FBC, FC, AgI, AgI New River Painted Rock Lake Painted Rock Reservoir Perry Mesa Tank Picacho Reservoir Queen Creek (Headwaters to the Superior WWTP) Queen Creek (Headwaters to the Superior WWTP) Queen Creek (Below Potts Canyon) Aww, FBC, FC, AgI, AgI Aww, FBC, FC, AgI, AgI Aww, FBC, FC, AgI, AgI Aww, FBC, FC, AgI, AgI Aww, FBC, FC, AgI, AgI Aww, FBC, FC, AgI, AgI Aww, FBC, FC, AgI, AgI Aww, FBC, FC, AgI, AgI Aww, FBC, FC, AgI, AgI Aww, FBC, FC, AgI, AgI Aww, FBC, FC, AgI, AgI Aww, FBC, FC, AgI, AgI Aww, FBC, FC, AgI, AgI Aww, FBC, FC, AgI, AgI Aww, FBC, FC, AgI, AgI Aww, FBC, FC, AgI, AgI Aww, FBC, FC, AgI, AgI Aww, FBC, FC, AgI, AgI Aww, FBC, FC, AgI, AgI Aww, FBC, FC, AgI, AgI Aww, FBC, FC, AgI Aww, FBC, FC, AgI Aww, FBC, FC, AgI Aww, FBC, FC, AgI Aww, FBC, FC, AgI Aww, FBC, FC, AgI Aww, FBC, FC, AgI Aww, FBC, FC, AgI Aww, FBC, FC, AgI Aww, FBC, FC, AgI Aww, FBC, FC, AgI Aww, FBC, FC, AgI Aww, FBC, FC, AgI Aww, FBC, FC, AgI Aww, FBC, FC, AgI Aww, FBC, FC, AgI Aww, FBC, FC, AgI Aww, FBC, FC, AgI Aww, FBC, FC, AgI Aww, FBC, FC, AgI Aww, FBC, FC, AgI Aww, FBC, FC, AgI Aww, FBC, FC, AgI Aww, FBC, FC, AgI Aww, FBC, FC, AgI Aww, FBC, FC, AgI Aww, FBC, FC, AgI Aww, FBC, FC, AgI Aww, FBC, FC, AgI Aww, FBC, FC, AgI Aww, FBC, FC, AgI Aww, FBC, FC, AgI Aww, FBC, FC, AgI Aww, FBC, FC, AgI Aww, FBC, FC, AgI Aww, FBC, FC, AgI Aww, FBC, FC, AgI Aww, FBC, FC, AgI Aww, FBC, FC, AgI Aww, FBC, FC, AgI Aww, FBC, FC, AgI Aww, FBC, FC, AgI Aww, FBC, FC, AgI Aww, FBC, FC, AgI Aww, FBC, FC, AgI Aww, FBC, FC, AgI Aww, F	Gila River (Painted Rock Dam to the Colorado River)	A P.W., DDC A of A of
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Hassayampa River (from 8 miles south of Wickenburg to the Buckeye Irrigation Company canal)  Hit Tank  Horsethief Basin Lake  Lake Pleasant  Lake Pleasant  Little Ash Creek  Lynx Creek  Lynx Creek  Maww, FBC, FC, AgI, AgI  Martinez Creek  New River  Painted Rock Reservoir  Painted Rock Reservoir  Asw, FBC, FC, AgI, AgI  Asw, FBC, FC, AgI, AgI  Asw, FBC, FC, AgI, AgI  Asw, FBC, FC, AgI, AgI  Asw, FBC, FC, AgI, AgI  Asw, FBC, FC, AgI, AgI  Asw, FBC, FC, AgI, AgI  Asw, FBC, FC, AgI, AgI  Asw, FBC, FC, AgI, AgI  Asw, FBC, FC, AgI, AgI  Asw, FBC, FC, AgI, AgI  Asw, FBC, FC, AgI, AgI  Asw, FBC, FC, AgI, AgI  Asw, FBC, FC, AgI, AgI  Asw, FBC, FC, AgI, AgI  Asw, FBC, FC, AgI, AgI  Asw, FBC, FC, AgI, AgI  Asw, FBC, FC, AgI, AgI  Asw, FBC, FC, AgI, AgI  Asw, FBC, FC, AgI, AgI  Aswedw, FBC  Aswedw, FBC  Aswedw, FBC  Aswedw, FBC  Aswedw, FBC  Aswedw, FBC  Aswedw, FBC  Aswedw, FBC  Aswedw, FBC  Aswedw, FBC  Aswedw, FBC  Aswedw, FBC  Aswedw, FBC  Aswedw, FBC  Aswedw, FBC  Aswedw, FBC  Aswedw, FBC  Aswedw, FBC  Aswedw, FBC  Aswedw, FBC  Aswedw, FBC  Aswedw, FBC  Aswedw, FBC  Aswedw, FBC  Aswedw, FBC  Aswedw, FBC  Aswedw, FBC  Aswedw, FBC  Aswedw, FBC  Aswedw, FBC  Aswedw, FBC  Aswedw, FBC  Aswedw, FBC  Aswedw, FBC  Aswedw, FBC  Aswedw, FBC  Aswedw, FBC  Aswedw, FBC  Aswedw, FBC  Aswedw, FBC  Aswedw, FBC  Aswedw, FBC  Aswedw, FBC  Aswedw, FBC  Aswedw, FBC  Aswedw, FBC  Aswedw, FBC  Aswedw, FBC  Aswedw, FBC  Aswedw, FBC  Aswedw, FBC  Aswedw, FBC  Aswedw, FBC  Aswedw, FBC  Aswedw, FBC  Aswedw, FBC  Aswedw, FBC  Aswedw, FBC  Aswedw, FBC  Aswedw, FBC  Aswedw, FBC  Aswedw, FBC  Aswedw, FBC  Aswedw, FBC  Aswedw, FBC  Aswedw, FBC  Aswedw, FBC  Aswedw, FBC  Aswedw, FBC  Aswedw, FBC  Aswedw, FBC  Aswedw, FBC  Aswedw, FBC  Aswedw, FBC  Aswedw, FBC  Aswedw, FBC  Aswedw, FBC  Aswedw, FBC  Aswedw, FBC  Aswedw, FBC  Aswedw, FBC  Aswedw, FBC  Aswedw, FBC  Aswedw, FBC  Aswedw, FBC  Aswedw, FBC  Aswedw, FBC  Aswedw, FBC  Aswedw, FBC  Aswedw, FBC  Aswedw, FBC  Aswedw, FBC  Aswedw, FBC  Aswedw, FBC  Aswedw, FBC  Aswedw, FBC  Aswedw, FBC  Aswedw,		
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Horsethief Basin Lake Lake Pleasant Lake Pleasant Little Ash Creek Lynx Creek Lynx Creek A&Ww, FBC, FC, AgL A&Ww, FBC, FC, AgL A&Ww, FBC, FC, AgL A&Ww, FBC, FC, AgL A&Ww, FBC, FC, AgL A&Ww, FBC, FC, AgL A&Ww, FBC, FC, AgL, AgL A&Ww, FBC, FC, AgI, AgL A&Ww, FBC, FC, AgI, AgL A&Ww, FBC, FC, AgI, AgL A&Ww, FBC, FC, AgI, AgL Painted Rock Lake Painted Rock Reservoir Parry Mesa Tank Picacho Reservoir Queen Creek (Headwaters to the Superior WWTP) A&Ww, FBC, FC, AgI, AgL Queen Creek (Below Potts Canyon) A&Ww, PBC, DWS, AgL A&Ww, PBC, DWS, AgL A&Ww, PBC, AgL A&Ww, PBC, AgL A&Ww, PBC, AgL A&Ww, PBC, AgL A&Ww, FBC, FC, AgL A&Ww, FBC, hall Bend WWTP to the Gila River) A&Wedw, PBC Unnamed Wash¹ (Gila Bend WWTP to the Agua Fria River) A&Wedw, PBC Unnamed Wash¹ (Queen Valley WWTP to Queen Creek)  RED LAKE BASIN Red Lake Rock Canyon Creek A&We, PBC RED LAKE BASIN Red Lake Rock Canyon Creek A&We, PBC RED LAKE BASIN		
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Little Ash Creek Lynx Creek Lynx Creek Lynx Lake A&Ww, FBC, FC, AgL A&Ww, FBC, FC, AgI, AgI Martinez Creek New River Painted Rock Lake Painted Rock Lake Painted Rock Reservoir Perry Mesa Tank Picacho Reservoir Queen Creek (Headwaters to the Superior WWTP) Queen Creek (Below Potts Canyon) Sycamore Creek Unnamed Wash ¹ (Gila Bend WWTP to the Gila River) Unnamed Wash ¹ (Queen Valley WWTP to Queen Creek) A&Ww, FBC A&Ww, FBC A&Ww, FBC, AgI, AgL A&Ww, FBC, AgI, AgL A&Ww, PBC, AgI, AgI A&Ww, PBC, AgI, AgI A&Ww, PBC, AgI, AgI A&Ww, FBC, AgI, AgI A&Wedw, PBC A&Ww, FBC A&Ww, FBC A&Wedw, PBC		— A&Wc, FBC, DWS, FC, AgL
Lynx Creek Lynx Lake A&Ww, FBC, AgL A&Ww, FBC, DWS, FC, AgI, AgI Martinez Creek A&Ww, FBC, FC, AgI, AgL A&Ww, FBC, FC, AgI, AgL A&Ww, FBC, FC, AgI, AgL A&Ww, FBC, FC, AgI, AgL Painted Rock Lake Painted Rock Reservoir Perry Mesa Tank Picacho Reservoir Queen Creek (Headwaters to the Superior WWTP) Queen Creek (Superior WWTP to Potts Canyon) Queen Creek (Below Potts Canyon) A&Ww, FBC, FC, AgI, AgL A&Ww, FBC, AgL A&Ww, FBC, AgL A&Ww, FBC, AgL A&Ww, FBC, AgL A&Ww, FBC, AgL A&Ww, FBC, AgL A&Ww, FBC, AgL A&Ww, FBC, AgL A&Ww, FBC, AgL A&Ww, FBC, AgL A&Ww, FBC, AgL A&Ww, FBC, AgL A&Ww, FBC, AgI, AgL A&Ww, FBC, AgI, AgL A&Ww, FBC, AgI, AgL A&Ww, FBC, AgI, AgL A&Ww, FBC, AgI, AgL A&Ww, FBC, AgI, AgL A&Www, FBC, AgI, AgL A&Www, FBC, AgI, AgL A&Www, FBC A&Wedw, PBC A&Ww, FBC A		A&Ww, FBC, FC, AgI, AgL
Lynx Lake Martinez Creek New River New River A&Ww, FBC, FC, AgI, AgL A&Ww, FBC, FC, AgI, AgL A&Ww, FBC, FC, AgI, AgL A&Ww, FBC, FC, AgI, AgL A&Ww, FBC, FC, AgI, AgL A&Ww, FBC, FC, AgI, AgL A&Ww, FBC, FC, AgI, AgL A&Ww, FBC, FC, AgI, AgL A&Ww, FBC, AgL A&Ww, FBC, AgL A&Ww, FBC, AgL A&Ww, FBC, AgL A&Ww, FBC, AgL A&Ww, FBC, AgL A&Ww, FBC, AgL A&Ww, FBC, AgL A&Ww, FBC, AgL A&Ww, FBC, AgL A&Ww, FBC, AgL A&Ww, FBC, AgL A&Ww, FBC, AgL A&Ww, FBC, AgL A&Ww, FBC, AgL A&Ww, FBC, AgL A&Ww, FBC, AgL A&Ww, FBC, AgL A&Ww, FBC, AgL A&Ww, FBC, AgL A&Ww, FBC, AgL A&Ww, FBC, AgL A&Ww, FBC, AgL A&Wwdw, FBC A&Wwdw, FBC A&Wedw, FBC A&Wedw, PBC A&Ww, FBC		
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New River  Painted Rock Lake  Painted Rock Reservoir  Perry Mesa Tank  Picacho Reservoir  Queen Creek (Headwaters to the Superior WWTP)  Queen Creek (Superior WWTP to Potts Canyon)  Queen Creek (Below Potts Canyon)  A&Ww, FBC, AgL  A&Ww, PBC, AgL  A&Ww, FBC, AgL  A&Wedw, PBC  Unnamed Wash¹ (Gila Bend WWTP to the Gila River)  Unnamed Wash¹ (Queen Valley WWTP to Queen Creek)  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Ww, FBC  A		ACWC, FBC, DWS, FC, Agl, AgL
Painted Rock Lake Painted Rock Reservoir A&Ww, FBC, AgI, AgL A&Ww, FBC, AgI, AgL A&Ww, FBC, AgI, AgL A&Ww, FBC, AgI, AgL A&Ww, FBC, AgI, AgL A&Ww, FBC, AgI, AgL A&Ww, FBC, AgI, AgL A&Ww, FBC, AgI, AgL A&Ww, FBC, DWS, AgI, AgL A&Ww, PBC, DWS, AgI, AgL A&Ww, PBC, DWS, AgI Queen Creek (Headwaters to the Superior WWTP) Queen Creek (Superior WWTP to Potts Canyon) A&Wedw, PBC Queen Creek (Below Potts Canyon) A&Ww, FBC, AgI, AgI A&Ww, FBC, AgI, AgI A&Ww, FBC, AgI, AgI A&Ww, FBC, AgI, AgI A&Wedw, PBC Unnamed Wash ¹ (Gila Bend WWTP to the Gila River) A&Wedw, PBC Unnamed Wash ¹ (Luke Air Force Base WWTP to the Agua Fria River) A&Wedw, PBC A&Wedw, PBC A&Wedw, PBC A&Wedw, PBC A&Wedw, PBC A&We, PBC A&We, PBC A&We, PBC A&We, PBC A&We, PBC A&We, PBC A&We, PBC A&We, PBC A&We, PBC A&We, PBC A&We, PBC A&We, PBC A&We, PBC A&We, PBC A&We, PBC A&We, PBC A&We, PBC A&We, PBC A&We, PBC		
Painted Rock Reservoir  A&Ww, FBC, FC, AgI, AgL A&Ww, FBC, FC, AgI, AgL A&Ww, FBC, FC, AgI, AgL A&Ww, FBC, FC, AgI, AgL A&Ww, FBC, FC, AgI, AgL A&Ww, FBC, FC, AgI, AgL A&Ww, FBC, FC, AgI, AgL A&Ww, PBC, DWS, AgL A&Ww, PBC, DWS, AgL A&Wedw, PBC Queen Creek (Superior WWTP to Potts Canyon) A&Wedw, PBC Queen Creek (Below Potts Canyon) A&Ww, PBC, AgI A&Ww, FBC, AgI A&Ww, FBC, AgI A&Ww, FBC, AgI, AgL A&Ww, FBC, AgI, AgI A&Ww, FBC, AgI, AgI A&Wedw, PBC Unnamed Wash ¹ (Gila Bend WWTP to the Gila River) A&Wedw, PBC Unnamed Wash ¹ (Queen Valley WWTP to Queen Creek) A&Wedw, PBC A&Wedw, PBC A&Wedw, PBC A&Wedw, PBC A&Wedw, PBC A&Wedw, PBC A&Wedw, PBC A&Wedw, PBC A&Wedw, PBC A&Wedw, PBC A&Wedw, PBC A&Wedw, PBC A&Wedw, PBC A&Wedw, PBC A&Wedw, PBC A&Wedw, PBC A&Wedw, PBC A&We, PBC A&We, PBC A&We, PBC A&We, PBC A&We, PBC A&We, PBC A&We, PBC A&We, PBC A&We, PBC A&We, PBC A&We, PBC A&We, PBC A&We, PBC A&We, PBC A&We, PBC A&We, PBC A&We, PBC A&We, PBC A&We, PBC		
Perry Mesa Tank Picache Reservoir A&Ww, FBC, AgL A&Ww, FBC, FC, AgL, AgL Queen Creek (Headwaters to the Superior WWTP) A&Ww, PBC, DWS, AgL Queen Creek (Superior WWTP to Potts Canyon) Queen Creek (Below Potts Canyon) A&Ww, PBC, AgL A&Ww, PBC, AgL A&Ww, PBC, AgL A&Ww, FBC, AgL A&Wedw, PBC Unnamed Wash¹ (Gila Bend WWTP to the Gila River) Unnamed Wash¹ (Queen Valley WWTP to Queen Creek) A&Wedw, PBC A&Wedw, PBC A&Wedw, PBC A&Wedw, PBC A&Wedw, PBC A&Wedw, PBC A&Ww, FBC A&Wedw, PBC A&Wedw		A&Wy FBC FC Act Act
Picacho Reservoir  Queen Creek (Headwaters to the Superior WWTP)  Queen Creek (Superior WWTP to Potts Canyon)  Queen Creek (Below Potts Canyon)  Sycamore Creek  A&Ww, PBC, DWS, AgL  A&Ww, PBC, DWS, AgL  A&Ww, PBC, AgL  A&Ww, PBC, AgL  A&Ww, PBC, AgL  A&Ww, PBC, AgL  A&Ww, FBC, AgL  A&Ww, FBC, AgL, AgL  A&Ww, FBC, AgL, AgL  A&Ww, FBC, AgL, AgL  A&Www, FBC, AgL, AgL  A&Wedw, PBC  Unnamed Wash ¹ (Gila Bend WWTP to the Gila River)  Unnamed Wash ¹ (Queen Valley WWTP to Queen Creek)  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A&Wedw, PBC  A		A&Ww FRC Act
Queen Creek (Headwaters to the Superior WWTP) Queen Creek! (Superior WWTP to Potts Canyon) Queen Creek (Below Potts Canyon) Sycamore Creek A&Ww, PBC, AgL A&Ww, FBC, AgL A&Www, FBC, AgL A&Wedw, PBC Unnamed Wash! (Gila Bend WWTP to the Gila River) Unnamed Wash! (Queen Valley WWTP to the Agua Fria River) A&Wedw, PBC Unnamed Wash! (Queen Valley WWTP to Queen Creek)  RED LAKE BASIN Red Lake Rock Canyon Creek Truxton Wash A&Ww, FBC A&We, PBC A&We, PBC A&We, PBC A&We, PBC A&We, PBC RIO MAGDALENA BASIN	Picacho Reservoir	A&Ww ERC EC Act Act
Queen Creek (Superior WWTP to Potts Canyon)  Queen Creek (Below Potts Canyon)  Sycamore Creek  A&Ww, PBC, AgL  A&Ww, FBC, FC, AgL  A&Ww, FBC, AgI, AgL  A&Ww, FBC, AgI, AgL  A&Wedw, PBC  A&Wedw, PBC  Unnamed Wash (Gila Bend WWTP to the Gila River)  Unnamed Wash (Queen Valley WWTP to the Agua Fria River)  A&Wedw, PBC  Unnamed Wash (Queen Valley WWTP to Queen Creek)  RED LAKE BASIN  Red Lake  Rock Canyon Creek  Truxton Wash  Wright Canyon Creek  RIO MAGDALENA BASIN		A&Ww. PRC DWS A of
Queen Creek (Below Potts Canyon)  Sycamore Creek  A&We, FBC, AgL  A&We, FBC, AgL  A&Ww, FBC, AgL, AgL  A&Ww, FBC, AgI, AgL  A&Ww, FBC, AgI, AgL  A&Wedw, PBC  Unnamed Wash ¹ (Gila Bend WWTP to the Gila River)  Unnamed Wash ¹ (Luke Air Force Base WWTP to the Agua Fria River)  Unnamed Wash ¹ (Queen Valley WWTP to Queen Creek)  RED LAKE BASIN  Red Lake  Rock Canyon Creek  Truxton Wash  A&We, PBC  A&We, PBC  A&We, PBC  A&We, PBC  A&We, PBC  A&We, PBC  A&We, PBC  A&We, PBC  A&We, PBC  A&We, PBC  A&We, PBC  A&We, PBC  A&We, PBC		
Sycamore Creek Turkey Creek A&Ww, FBC, AgI, AgL A&Ww, FBC, AgI, AgL Unnamed Wash! (Gila Bend WWTP to the Gila River) Unnamed Wash! (Luke Air Force Base WWTP to the Agua Fria River) Unnamed Wash! (Queen Valley WWTP to Queen Creek)  RED LAKE BASIN Red Lake Rock Canyon Creek Truxton Wash Weight Canyon Creek A&We, PBC  RED LAKE BASIN Red Lake Rock Canyon Creek A&We, PBC Rock Canyon Creek Red Lake Rock Canyon Creek Red Lake Rock Canyon Creek Red Lake Rock Canyon Creek Red Lake Rock Canyon Creek Red Lake Rock Canyon Creek Red Lake Rock Canyon Creek Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red Lake Red	Queen Creek (Below Potts Canyon)	
Turkey Creek Unnamed Wash! (Gila Bend WWTP to the Gila River) Unnamed Wash! (Luke Air Force Base WWTP to the Agua Fria River) Unnamed Wash! (Queen Valley WWTP to Queen Creek)  RED LAKE BASIN Red Lake Rock Canyon Creek Truxton Wash Wright Canyon Creek A&We, PBC  RED LAKE BASIN Red Lake Rock Canyon Creek Rock Canyon Creek Rock Canyon Creek Rock Canyon Creek Rock Canyon Creek Rock Canyon Creek Rock Canyon Creek Rock Canyon Creek Rock Canyon Creek Rock Canyon Creek Rock Canyon Creek Rock Canyon Creek Rock Canyon Creek Rock Canyon Creek Rock Canyon Creek	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	
Unnamed Wash! (Gila Bend WWTP to the Gila River)  Unnamed Wash! (Luke Air Force Base WWTP to the Agua Fria River)  Unnamed Wash! (Queen Valley WWTP to Queen Creek)  RED LAKE BASIN  Red Lake  Rock Canyon Creek  Truxton Wash  Weight Canyon Creek  A&We, PBC  A&We, PBC  A&We, PBC  A&We, PBC  A&We, PBC  A&We, PBC  A&We, PBC  RIO MAGDALENA BASIN	Turkey Creek	
Unnamed Wash ^I (Luke Air Force Base WWTP to the Agua Fria River) Unnamed Wash ^I (Queen Valley WWTP to Queen Creek)  RED LAKE BASIN Red Lake Rock Canyon Creek A&We, PBC Truxton Wash Wright Canyon Creek A&We, PBC River A&We, PBC A&We, PBC River A&We, PBC River A&We, PBC River A&We, PBC River A&We, PBC River A&We, PBC	Unnamed Wash ¹ (Gila Bend WWTP to the Gila River)	A & Wedw PRC
Unnamed Wash   (Queen Valley WWTP to Queen Creek)	Unnamed Wash! (Luke Air Force Base WWTP to the Agua Fria River)	A&Wedw, PBC
Red Lake         A&Ww, FBC           Rock Canyon Creek         A&We, PBC           Truxton Wash         A&We, PBC           Wright Canyon Creek         A&We, PBC   RIO MAGDALENA BASIN	Unnamed Wash ¹ (Queen Valley WWTP to Queen Creek)	
Rock Canyon Creek         A&We, PBC           Truxton Wash         A&We, PBC           Wright Canyon Creek         A&We, PBC           RIO MAGDALENA BASIN         A&We, PBC	RED-LAKE BASIN	
Rock Canyon Creek Truxton Wash A&We, PBC Wright Canyon Creek A&We, PBC RIO MAGDALENA BASIN	Red Lake	
Truxton Wash  Wright Canyon Creek  RIO MAGDALENA BASIN		
Wright Canyon Creek A&We, PBC RIO MAGDALENA BASIN	Truxton Wash	
	Wright Canyon Creek	
Holden Canyon Creek A&Wuy PRC	RIO MAGDALENA BASIN	
A AND TT TTY TO THE PARTY	Holden Canyon Creek	A&Ww, PBC

Sycamore Canyon Creek	A&Ww, FBC, AgL
RIO SONOITA BASIN	
San Simon Wash	A&We, PBC
Vamori Wash	
RIO YAQUI BASIN	A&Ww, FBC, DWS, AgI, AgL
	A&Ww, FBC, DWS, AgI, AgL
DIMOR WILLIAM	Designated Use
THE TRANSPORT OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY	- Designated Ose
RIO YAQUI BASIN (cont.)	A&Ww, FBC, DWS, AgI, AgL
Dixie Canyon	ARMIN TOC DWG AND AN
Dry Canyon	A&Ww, FBC, DWS, AgI, AgI
Gadwell Canyon	ACTION FIRST AND ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE ACTION OF THE
Glance Creek	A&Ww, FBC, AgI, AgI
Gold Gulch	A&Ww, FBC, AgI, AgL
Johnson Canyon	A&WW, FBC, DWS, AgI, Agi
Leslie-Creek	
Mexican Canyon	A&Ww, FBC, DWS, AgI, AgL
Mule Gulch (Headwaters to Bisbee WWTP)	A&Ww, PBC, AgI, AgL
Mule Gulch ¹ (Below Bisbee WWTP)	A&Wedw, PBC, AgL
Rucker Canyon Creek	A&Wc, FBC, DWS, FC, AgL
Rucker Canyon Lake	—— A&Wc, FBC, FC, AgL
Soto Canyon	A&Ww, FBC, DWS, AgI, AgL
Unnamed Wash ¹ (Bisbee Douglas International Airport WWTP to	A&Wedw, PBC
Whitewater Draw)	
Whitewater Draw	A&Ww, FBC, FC, AgI, AgL
SALT RIVER BASIN	
A-1 Lake	A&Wc, FBC, FC, AgI, AgL
Ackre (Judge) Lake	A&Wc, FBC, FC, AgI, AgL
Alvord Park Lake ³	A&Ww, PBC, FC
Anache Lake	A&Wc, FBC, DWS, FC, AgI, AgL
Arlington Canal (above Wilson Avenue)	AgL
R S Can Tank	A&Ww, FBC, FC, AgL
Ball Tank	A&Ww, FBC, FC, AgL
Basin Creek	A&Wc, FBC, FC
Rockin Tonk	A&Ww. FBC, FC, AgL
Bear Cienega Creek	A&Wc, FBC, FC
Bear Creek	A&Wc, FBC, FC, AgI, AgL
	A&We, FBC, FC, AgI, AgL
	A&Wc, FBC, FC
Bear Wallow Creek, South Fork	A&We, FBC, FC
Beaver Creek	A&Wc, FBC, FC, AgI, AgL
Becker Creek	A&Wc, FBC, FC, AgI, AgL
Rig Ronito Creek	A&We, FBC, FC, AgI, AgL
Rigitate	A&Wc, FBC, DWS, FC, AgI, AgL
Black River	A&We, FBC, DWS, FC, AgI, AgL
Black River, East Fork	
Black River, North Fork of East Fork	A&Wc, FBC, DWS, FC, AgI, AgL
Black River, West Fork	A&Wc, FBC, DWS, FC, AgI, AgL
Bloody Tanks Wash (Headwaters to Schultze Ranch)	A&We, PBC, AgL
Bloody Tanks Wash (Schultze Ranch to Miami Wash)	A&We_PBC
Blue Lake	A&Wc, FBC, FC, AgL
Pohoat Topk	A&Ww FRC FC Acl.
Bog Creek	A&Wc. FBC. FC
Bog Tank	A&Wc_FBC_FC_AgL_AgL
Boggy Creek	A&Wc_FRC_FC_Act_Act_
Boneyard Creek	A&Wc_FBC_FC_AgL_AgL
Bonsall Park Lake ³	A&Ww PBC FC
Bootleg Lake	A&Wc, FBC, FC, AgI, AgL
Canal Park Lake ³	A&Ww. PBC. FC
Canal Park Lake	A&We, FBC, DWS, FC, AgI, AgL
	A&Wc, FBC, FC, AgI, AgL
Canyon Lake	7100110, 1.300, 1.03, 1.53, 1.53

Carrizo Creek	A&Wc, FBC, FC, AgI, AgL
Cedar Creek	A&Ww, FBC, AgI, AgL
Centerfire Creek	A&Wc, FBC, FC, AgI, AgL
Chambers Draw-Creek Chaparral Park Lake ³	A&We, FBC, FC A&Ww, PBC, FC, AgI
Cherry Creek	A&Wc, FBC, FC, AgI, AgL
Chino Tank	A&Ww, FBC, FC, AgI, AgL
Christmas Tree Lake	A&Wc, FBC, FC, AgI, AgL
Christopher Creek	A&Wc, FBC, FC, AgI, AgL
Cibecue Creek	
Clover Tank	A&Ww.FBC.FC. AgL
Navigable water	Designated Use
SALT RIVER BASIN (cont.)	
Cold Springs Canyon Creek	A&Ww. FBC. FC
Conklin Creek	A&Wc FRC FC Act Act
Cooley Lake	A&We, FBC, FC, AgI, AgL
Coon Creek	A&Ww, FBC
Corduroy Creek	A&Wc, FBC, FC, AgI, AgL
Com Tank	
Cortez Park Lake ³	A&Ww, PBC, FC, AgI
Coyote Creek	
Crescent Lake	A&Wc, FBC, FC, AgI, AgL
Crooked Creek	
Cyclone Lake	A&Wc, FBC, FC, AgI, AgL
Deep Creek	A&Wc, FBC, FC, AgI, AgL
Deer Creek	
Deer Tank Desert Breeze Lake ³	A&Ww, FBC, FC, AgL
Devil's Chasm Creek	A&Ww, PBC, FC
Diamond Creek	
Dobson Lake ³	A&Ww. PBC, FC
Double Cienega Creek	
Drift Fence Lake	A&Wc, FBC, FC, AgI, AgL
Earl Creek	A&Wc, FBC, FC, AgI, AgL
Earl Park Lake	A&Wc, FBC, FC, AgI, AgL
East Bonito Praire Tank	A&Ww. FBC. FC. AgL
East Deer Tank	A&Ww, FBC, FC, AgL
Eldorado Park Lake ³	A&Ww. PBC. FC
Elwood Tank	A&Ww, FBC, FC, AgL
Encanto Park Lake ³	A&Ww, PBC, FC, AgI
Fish Creek	A&Wc, FBC, FC, AgI, AgL
Flash Creek	A&Wc, FBC, FC, AgI, AgL
George's Basin Lake	A&Ww, FBC, FC, AgI, AgL
Glade Tank	A&Ww, FBC, FC, AgL
Gold-Creek-	750-71-10-
Gomez-Creek	
Gooseberry Creek	A&Wc, FBC, DWS, FC, AgI, AgI
Gordon Canyon Creek	A&Ww, FBC, FC
Granada Park Lake ³	
Haigler Creek	A&We, FBC, FC, AgI, AgL
Halfway Tank	
Hannagan Creek	A&Wc, FBC, FC, AgL
Hawley Lake	A&Wc, FBC, FC, Agi, Agi
Hay Creek	ACWC, PBC, FC
Herrington Tank	A&WW, FBC, FC, AgL
Highway Tank Home Creek	A&Ww, FBC, FC, AgL A&We, FBC, FC
Horse Creek	A&Wc, FBC, FC
Horseshoe-Cienega Lake	
Horseshoe-Creek	A&Wa FPC FC
Horton Creek	A&Wa FRO FO Adi Adi
Houston Creek	A&Wu FRC FC Act
Hunter Creek	A & Wc FRC FC A AI
AADANDA WADDAN	**************************************
Hurricane-Creek	A WE HILL

## Arizona Administrative Register

## Notices of Proposed Rulemaking

Indian Bend Wash	- A&Ww. PBC. FC
Indian Bend Wash Lakes ³	A&Ww. PBC. FC
Indian School Park Lake ³	A&Ww. PBC. FC
Kiwanis Park Lake ³	A&Ww, PBC, FC, AgI
Lake Sierra Blanca	-A&Wc, FBC, FC, AgI, AgL
Little Bonito Creek	A&Wc, FBC, FC, AgI, AgL
Little Diamond Creek	A&Wc, FBC, FC, AgI, AgL
Lofer Cienega Creek	A&We, FBC, FC, AgI, AgL
Lost Basin Tank	A&Ww, FBC, FC, AgL
Lost Mule Tank	A&Ww, FBC, FC, AgL
Martin Luther Tank	A&Ww, FBC, FC, AgL
McDonald Tank	A&Ww, FBC, FC, AgL
McKellips Park Lake ³	A&Ww, PBC, FC, AgI
Navigable water	—Designated Use
SALT RIVER BASIN (cont.)	A&Wc. FBC. DWS. FC. Agl. AgL
McNary Mill Pond	A&We. PBC
Miami Wash	A&We, FBC, FC, AgI, AgL
Moon Creek Morman Tank	A&Ww, FBC, FC, AgL
Mula Creek	A&Wc, FBC, DWS, FC, AgI, AgL
Nash Creek Reservoir	A&Wc, FBC, FC, AgI, AgL
Navajo Pit Tank	A&Ww, FBC, FC, AgI, AgL
North Bonito Praire Tank	A&Ww. FBC, FC, AgL
Open Draw Creek	- A&Wc, FBC, FC
Ord Creek	A&Wc, FBC, FC, AgI, AgL
Pacheta Creek	A&We, FBC, FC, AgI, AgL
Pacheta Lake	- A&Wc, FBC, FC, AgI, AgL
Paddy Creek	A&Wc, FBC, FC, AgL
Papago Park Ponds ³	A&Ww, PBC, FC
Paradise Creek	A&Wc, FBC, FC, AgI, AgL
Perry Creek	—A&Wc, FBC, FC, AgL
Phillips Park Tank	—A&Ww, FBC, FC, AgL
Phoenix Area Canals (Granite Reef Dam to municipal WTP)	— DWS, AgI, AgL
Phoenix Area Canals (Below WTP intakes and all other locations)	Agi, Agi,
Pickett Corral Tank	—A&Ww, FBC, FC, AgL —A&We, PBC, AgI, AgL
Pinal Creek (Headwaters to Globe WWTP)	A& Wedw. PBC
Pinal Creek (Globe WWTP to Radium) Pinal Creek (Radium to Setka Ranch)	A&We, PBC, AgI, AgL
Pinal Creek (Setka Ranch to the Salt River)	A&Ww. FBC, FC, AgI, AgL
Pinto Creek	A&Ww, FBC, FC, AgI, AgL
Pole Corral Tank	A&Ww. FBC, FC, AgL
Powerline Tank	A&Ww, FBC, AgL
Pueblo Canyon Creek	A&Wc, FBC, FC, AgL
Reservation Creek	A&Wc, FBC, FC, AgI, AgL
Reservation Lake	A&Wc, FBC, FC, AgI, AgL
Reynolds Creek	— A&We, FBC, FC, AgL
Riverview Lake ³	—A&Ww, PBC, FC
Roadrunner Park Lake ³	
Roosevelt Lake	
Rye Creek	- A&WW, FBC, FC, AgL
Saguaro Lake Salome Creek	Acwe, FBC, DWS, FC, Agi, Agi
Salome Creek Salt River (Above Roosevelt Lake)	A SWEET FOR FOR A START
Salt River (Above Roosevell Lake) Salt River (Stewart Mountain Dam to the Verde River)	A & WA FDC DWC FC Agi Agi
Salt River (Verde River to 2 km below Granite Reef Dam)	A&Ww FRC DWS FC Acl Acl
Salt River (2 km below Granite Reef Dam to the I-10 bridge)	A & We DRC
Salt River (I-10 bridge to the 23rd Avenue WWTP)	A&Ww. PBC
Salt River! (23rd Avenue WWTP to the Gila River confluence)	A&Wedw PRC FC Agl Agl.
Sand Creek	A&Wc, FBC, FC, AgI, AgL
Sawmill Creek	A&Ww, FBC, AgI, AgL
Sawmill Tank	A&Ww. FBC. FC. AgL
Seneca Lake	A&Ww, FBC, FC
Shush Be Tou Lake	— A&Wc, FBC, FC, AgI, AgL
Shush-Bezahze Lake	— A&We, FBC, FC, AgI, AgL
Slate Creek	—∧&Ww, PBC, FC, AgL

Snake Creek Soldier Creek	A&Wc, FBC, FC, AgI, AgL
Spring Creek	A&Wc, FBC, FC
Spur Tank	
Squaw Creek	A&We, FBC, FC, AgI, AgL
Steele Tank	A&Ww, FBC, FC, AgL
Stinky Creek	
Stove Tank	A&Ww, FBC, FC, AgL
Sun Creek	
Sunrise Lake	A&Wo FRC FC AgI AgI
Sycamore Tank	A&Ww, FBC, FC, AgL
Fanks Canvon Tank	A&Ww.FBC.FC.AgL
Thomas Creek	A&Wc, FBC, FC, AgL
Thompson Creek	A&Wc_FBC_FC
Fonto Creek	A&Wc, FBC, FC, AgI, AgL
Navigable water	Designated Use
SALT RIVER BASIN (cont.)	-
	A&Wc, FBC, FC, AgI, AgL
Frout-Creek-	A&Wc, FBC, DWS, FC, AgI, AgL
Turkey Creek	A&Ww, FBC, FC
Tuttle Tank	1100 (1 (1) 1 (2) 1 (1) 1 (2)
Upper-Corn Creek Tank	
Upper Highway Tank	A&Ww, FBC, FC, AgL
Vista Del Camino Park North ³	A&Ww, PBC, FC
Vista Del Camino Park-South ³	A&Ww, PBC, FC
Weaning Pen Tank	A&Ww, FBC, FC, AgI, AgL
White River	A&We, FBC, FC, AgI, AgL
White River, East Fork	A&Wc, FBC, FC, AgI, AgL
White River, North Fork	A&We, FBC, DWS, FC, AgI, AgL
Wild Steer Tank	
Wildcat Creek Williams Creek	A&Wc, FBC, FC
Willow Creek	A 6.337 - FDG FG
Workman-Creek	A&We, FBC, PC A&We, FBC, DWS, FC, AgI, AgL
WORKHING CLOCK	1400 44 C, 1 DC, 1 44 C, 1 C, 1 Ek, 1 E
SAN JUAN RIVER BASIN	
Chinle Wash	A&Ww, FBC, AgL
Laguna Creek	
Many Farms Reservoir	A&Ww. FBC. FC. Agi
Round Rock Lake	
Tsaile-Creek	A&Ww, FBC, FC, AgL
Tsaile Lake	A&Wc, FBC, FC, AgI
Walker Creek	A&Ww, FBC, AgI, AgL
Wheatfields Creek	A&Ww. FBC. FC. AgL
Wheatfields Lake	A&Wc, FBC, FC, AgI
Whiskey Creek	A&Ww, FBC, FC, AgL
SAN PEDRO RIVER BASIN	
Aravaipa Creek	A&Ww, FBC, DWS, FC, AgL
Babocomari Creek	A&Ww, FBC, FC, AgL
Bass Canyon Tank	A&Ww, FBC, FC, AgL
Blacktail Pond	A&Ww, FBC, FC
Buehman Canyon Creek	A&Ww, FBC, AgL
Bull Tank	A&Ww, FBC, FC, AgL
Carr Canyon Creek	A&Wc, FBC, FC, AgL
Copper Creek	A&Ww, PBC, AgI, AgL
East Gravel Pit Pond	A&Ww, FBC, FC
Fly Pond	A&Ww, FBC, FC
Garden Canyon Creek	A&Ww, FBC, DWS, AgI
	A&Ww, FBC, FC
Court Dis Double	
Gravel Pit Pond	A&Ww, FBC, FC
Gravel Pit Pond	A&Ww, FBC, FC A&Ww, FBC, FC
Golf Course Pond Gravel Pit Pond Hidden Pond Hotsprings Canyon Creek	A&Ww, FBC, FC A&Ww, FBC, FC, AgL
Gravel Pit Pond	A&Ww, FBC, FC A&Ww, FBC, FC, AgL A&Ww, FBC, FC

Officers Club Pond	-A&Ww, FBC, FC
Ramsey Canyon Creek	A&Wc, FBC, DWS, FC, AgI, AgL
Redfield Canvon Creek	-A&Ww, FBC, FC, AgL
San Pedro River (Mexico border to Redington)	A&Ww, FBC, FC, AgI, AgL
San Pedro River (Redington to the Gila River)	A&Ww, FBC, AgL
Sugarnora Pond I	A&Ww, FBC, FC
Sycamore Pond II	A&Ww, FBC, FC
Turkey Creek	- A&Ww, FBC, AgI, AgL
Unnamed Wash ¹ (Oracle WWTP to Big Wash)	A&Wedw, PBC
Walnut Gulch ¹ (Tombstone WWTP to the San Pedro River)	
Woodcutters Pond	-A&W <del>w, FBC, FC</del>
CANDA CONTENT DA CIVAT	
SANTA CRUZ RIVER BASIN	A SAMOO TO CO A OT
Agua Caliente Wash Aguirre Wash	A&Ww, FBC, AgL
Aguirre Wash  Alambre Wash	A SAMA DDC
Alamo Wash	
	Decignated Use
Navigable water SANTA CRUZ RIVER BASIN (cont.)	Designated Osc
Altar Wash	A&Wa_PRC
Alum Gulch	A&Wo PRC
Arivaca Creek	-A&Ww. FBC. AgL
Arivaca Lake	
Atterbury Wash	-A&We. PBC
Bear Grass Tank	A&Ww, FBC, FC, AgL
Big Wash	
Bog Hole Tank	A&Ww FRC Ad
Brawley Wash	A&Wo PRC
Cañada del Oro (Headwaters to Highway 89)	
Cañada del Oro (Below Highway 89)	A&Wa PRC Act Act.
Cienega Creek (Headwaters to I-10)	A&Ww FRC Ad
Cianaga Craek? (L10 to Del Lago dam)	A&Ww ERC Acl
Cienega Creek (Below Del Lago dam)	A&Ww FRC AcL
Davidson Canyon (Headwaters to I-10)	A&Wo PRC
Davidson Canyon (I-10 to Cienega Creek)	
Davidson Canyon (I-10 to Cienega Creek)	-A&Ww, FBC, AgL
Davidson Canyon (I-10 to Cienega Creek) Empire Gulch (Headwaters to Empire Ranch Spring)	- A&Ww, FBC, AgL - A&We, PBC
Davidson Canyon (I-10 to Cienega Creek) Empire Gulch (Headwaters to Empire Ranch Spring) Empire Gulch (Below Empire Ranch Spring)	A&Ww, FBC, AgL A&We, PBC A&Ww, FBC, AgL
Davidson Canyon (I-10 to Cienega Creek) Empire Gulch (Headwaters to Empire Ranch Spring) Empire Gulch (Below Empire Ranch Spring) Fagen Tank	A&Ww, FBC, AgL A&We, PBC A&Ww, FBC, AgL A&Ww, FBC, FC, AgL
Davidson Canyon (I-10 to Cienega Creek) Empire Gulch (Headwaters to Empire Ranch Spring) Empire Gulch (Below Empire Ranch Spring) Fagen Tank Flux Canyon	A&Ww, FBC, AgL A&We, PBC A&Ww, FBC, AgL A&Ww, FBC, FC, AgL A&We, PBC
Davidson Canyon (I-10 to Cienega Creek) Empire Gulch (Headwaters to Empire Ranch Spring) Empire Gulch (Below Empire Ranch Spring) Fagen Tank Flux Canyon Gardner Canyon Creek	A&Ww, FBC, AgL A&We, PBC A&Ww, FBC, AgL A&Ww, FBC, FC, AgL A&We, PBC A&Ww, FBC
Davidson Canyon (I-10 to Cienega Creek) Empire Gulch (Headwaters to Empire Ranch Spring) Empire Gulch (Below Empire Ranch Spring) Fagen Tank Flux Canyon Gardner Canyon Creek Greene Wash	
Davidson Canyon (I-10 to Cienega Creek) Empire Gulch (Headwaters to Empire Ranch Spring) Empire Gulch (Below Empire Ranch Spring) Fagen Tank Flux Canyon Gardner Canyon Creek Greene Wash	
Davidson Canyon (I-10 to Cienega Creek) Empire Gulch (Headwaters to Empire Ranch Spring) Empire Gulch (Below Empire Ranch Spring) Fagen Tank Flux Canyon Gardner Canyon Creek Greene Wash Harshaw Wash Huachuca Tank Julian Wash	
Davidson Canyon (I-10 to Cienega Creek) Empire Gulch (Headwaters to Empire Ranch Spring) Empire Gulch (Below Empire Ranch Spring) Fagen Tank Flux Canyon Gardner Canyon Creek Greene Wash Harshaw Wash Huachuca Tank Julian Wash	- A&Ww, FBC, AgL - A&We, PBC - A&Ww, FBC, AgL - A&Ww, FBC, FC, AgL - A&We, PBC - A&Ww, FBC - A&We, PBC - A&Ww, PBC, AgL - A&Ww, FBC, AgL
Davidson Canyon (I-10 to Cienega Creek) Empire Gulch (Headwaters to Empire Ranch Spring) Empire Gulch (Below Empire Ranch Spring) Fagen Tank Flux Canyon Gardner Canyon Creek Greene Wash Harshaw Wash Huachuca Tank Julian Wash Lemmon Canyon Creek Los Robles Wash	- A&Ww, FBC, AgL - A&We, PBC - A&Ww, FBC, AgL - A&Ww, FBC, FC, AgL - A&Ww, FBC - A&Ww, FBC - A&Ww, FBC - A&Ww, FBC - A&Ww, PBC, AgL - A&Ww, FBC, AgL - A&Ww, FBC, AgL - A&Ww, FBC, AgL - A&We, FBC - A&We, FBC - A&We, FBC
Davidson Canyon (I-10 to Cienega Creek) Empire Gulch (Headwaters to Empire Ranch Spring) Empire Gulch (Below Empire Ranch Spring) Fagen Tank Flux Canyon Gardner Canyon Creek Greene Wash Harshaw Wash Huachuca Tank Julian Wash Lemmon Canyon Creek Los Robles Wash Madera Canyon Creek	- A&Ww, FBC, AgL - A&We, PBC - A&Ww, FBC, AgL - A&Ww, FBC, FC, AgL - A&Ww, FBC - A&Ww, FBC - A&Ww, FBC - A&Ww, PBC - A&Ww, PBC, AgL - A&Ww, FBC, AgL - A&Ww, FBC, AgL - A&We, FBC - A&We, FBC - A&We, FBC - A&We, FBC - A&Ww, FBC, FC - A&Ww, FBC
Davidson Canyon (I-10 to Cienega Creek) Empire Gulch (Headwaters to Empire Ranch Spring) Empire Gulch (Below Empire Ranch Spring) Fagen Tank Flux Canyon Gardner Canyon Creek Greene Wash Harshaw Wash Huachuca Tank Julian Wash Lemmon Canyon Creek Los Robles Wash Madera Canyon Creek Nacales Wash	A&Ww, FBC, AgL A&We, PBC A&Ww, FBC, AgL A&Ww, FBC, FC, AgL A&Ww, FBC A&Ww, FBC A&Ww, FBC A&Ww, FBC A&Ww, PBC A&Ww, PBC, AgL A&Ww, FBC, AgL A&Ww, FBC, AgL A&Ww, FBC, AgL A&We, FBC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC
Davidson Canyon (I-10 to Cienega Creek) Empire Gulch (Headwaters to Empire Ranch Spring) Empire Gulch (Below Empire Ranch Spring) Fagen Tank Flux Canyon Gardner Canyon Creek Greene Wash Harshaw Wash Huachuca Tank Julian Wash Lemmon Canyon Creek Los Robles Wash Madera Canyon Creek Nogales Wash Oak Tree Canyon	- A&Ww, FBC, AgL - A&We, PBC - A&Ww, FBC, AgL - A&Ww, FBC, FC, AgL - A&Ww, FBC - A&Ww, FBC - A&Ww, FBC - A&Ww, PBC - A&Ww, PBC, AgL - A&Ww, FBC, AgL - A&Ww, FBC, AgL - A&We, FBC - A&We, FBC - A&We, FBC - A&We, FBC - A&Ww, FBC, FC - A&Ww, FBC, FC - A&Ww, FBC, FC - A&Ww, FBC, AgI, AgL - A&Ww, PBC - A&Ww, PBC
Davidson Canyon (I-10 to Cienega Creek) Empire Gulch (Headwaters to Empire Ranch Spring) Empire Gulch (Below Empire Ranch Spring) Fagen Tank Flux Canyon Gardner Canyon Creek Greene Wash Harshaw Wash Huachuca Tank Julian Wash Lemmon Canyon Creek Los Robles Wash Madera Canyon Creek Nogales Wash Oak Tree Canyon Palisade Canyon Creek	- A&Ww, FBC, AgL - A&We, PBC - A&Ww, FBC, AgL - A&Ww, FBC, FC, AgL - A&Ww, FBC - A&Ww, FBC - A&Ww, FBC - A&Ww, PBC - A&Ww, PBC, AgL - A&Ww, FBC, AgL - A&Ww, FBC, AgL - A&We, FBC - A&We, FBC - A&We, FBC - A&We, FBC - A&Ww, FBC, FC - A&Ww, FBC, FC - A&Ww, FBC, FC - A&Ww, FBC, FC - A&Ww, FBC, FC - A&Ww, FBC, FC - A&Ww, FBC, FC - A&We, FBC - A&We, FBC - A&We, FBC - A&We, FBC
Davidson Canyon (I-10 to Cienega Creek) Empire Gulch (Headwaters to Empire Ranch Spring) Empire Gulch (Below Empire Ranch Spring) Fagen Tank Flux Canyon Gardner Canyon Creek Greene Wash Harshaw Wash Huachuca Tank Julian Wash Lemmon Canyon Creek Los Robles Wash Madera Canyon Creek Nogales Wash Oak Tree Canyon Palisade Canyon Creek Pantano Wash	A&Ww, FBC, AgL A&We, PBC A&Ww, FBC, AgL A&Ww, FBC, FC, AgL A&Ww, FBC A&Ww, FBC A&Ww, FBC A&Ww, FBC A&Ww, PBC A&Ww, PBC, AgL A&Ww, FBC, AgL A&Ww, FBC, AgL A&We, FBC A&We, FBC A&We, FBC A&We, FBC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&We, FBC A&We, FBC
Davidson Canyon (I-10 to Cienega Creek) Empire Gulch (Headwaters to Empire Ranch Spring) Empire Gulch (Below Empire Ranch Spring) Fagen Tank Flux Canyon Gardner Canyon Creek Greene Wash Harshaw Wash Huachuca Tank Julian Wash Lemmon Canyon Creek Los Robles Wash Madera Canyon Creek Nogales Wash Oak Tree Canyon Palisade Canyon Creek Pantano Wash Parker Canyon Creek	A&Ww, FBC, AgL A&We, PBC A&Ww, FBC, AgL A&Ww, FBC, FC, AgL A&Ww, FBC A&Ww, FBC A&Ww, FBC A&Ww, FBC A&Ww, PBC A&Ww, PBC, AgL A&Ww, FBC, AgL A&Ww, FBC, AgL A&We, PBC A&We, FBC, FC A&We, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, PBC A&Ww, PBC A&Ww, PBC A&Ww, PBC A&Ww, PBC A&Ww, PBC A&Ww, PBC A&Ww, PBC
Davidson Canyon (I-10 to Cienega Creek) Empire Gulch (Headwaters to Empire Ranch Spring) Empire Gulch (Below Empire Ranch Spring) Fagen Tank Flux Canyon Gardner Canyon Creek Greene Wash Harshaw Wash Huachuca Tank Julian Wash Lemmon Canyon Creek Los Robles Wash Madera Canyon Creek Nogales Wash Oak Tree Canyon Palisade Canyon Creek Pantano Wash Parker Canyon Creek Parker Canyon Creek Parker Canyon Lake	A&Ww, FBC, AgL A&We, PBC A&Ww, FBC, AgL A&Ww, FBC, FC, AgL A&Ww, FBC A&Ww, FBC A&Ww, FBC A&Ww, FBC A&Ww, PBC A&Ww, PBC, AgL A&Ww, FBC, AgL A&We, FBC A&We, FBC A&We, FBC A&We, FBC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&We, FBC A&We, FBC A&We, FBC A&We, FBC A&We, FBC A&We, FBC A&We, FBC A&We, FBC A&We, FBC A&We, FBC A&We, FBC
Davidson Canyon (I-10 to Cienega Creek) Empire Gulch (Headwaters to Empire Ranch Spring) Empire Gulch (Below Empire Ranch Spring) Fagen Tank Flux Canyon Gardner Canyon Creek Greene Wash Harshaw Wash Huachuca Tank Julian Wash Lemmon Canyon Creek Los Robles Wash Madera Canyon Creek Nogales Wash Oak Tree Canyon Palisade Canyon Creek Pantano Wash Parker Canyon Creek Parker Canyon Lake Patagonia Lake	A&Ww, FBC, AgL A&We, PBC A&Ww, FBC, AgL A&Ww, FBC, FC, AgL A&Ww, FBC A&Ww, FBC A&Ww, FBC A&Ww, FBC A&Ww, PBC A&Ww, PBC, AgL A&Ww, FBC, AgL A&We, PBC A&We, FBC, FC A&We, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&We, FBC A&We, FBC A&We, FBC A&We, FBC A&We, FBC A&We, FBC A&We, FBC A&We, FBC A&We, FBC A&We, FBC, FC A&We, FBC, FC A&We, FBC, FC A&We, FBC, FC A&We, FBC, FC A&We, FBC, FC A&We, FBC, FC, AgI, AgL A&We, FBC, FC, AgI, AgL
Davidson Canyon (I-10 to Cienega Creek) Empire Gulch (Headwaters to Empire Ranch Spring) Empire Gulch (Below Empire Ranch Spring) Fagen Tank Flux Canyon Gardner Canyon Creek Greene Wash Harshaw Wash Huachuca Tank Julian Wash Lemmon Canyon Creek Los Robles Wash Madera Canyon Creek Nogales Wash Oak Tree Canyon Palisade Canyon Creek Pantano Wash Parker Canyon Creek Parker Canyon Lake Patagonia Lake Pena Blanca Lake	A&Ww, FBC, AgL A&We, PBC A&Ww, FBC, AgL A&Ww, FBC, FC, AgL A&Ww, FBC A&Ww, FBC A&Ww, FBC A&Ww, FBC A&Ww, PBC A&Ww, PBC, AgL A&Ww, FBC, AgL A&We, PBC A&We, FBC, FC A&We, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&We, FBC A&We, FBC, FC A&We, FBC A&We, FBC, FC A&We, FBC A&We, FBC, FC A&We, FBC A&We, FBC, FC A&We, FBC, FC A&We, FBC, FC A&We, FBC, FC A&We, FBC, FC, AgI, AgL A&We, FBC, FC, AgI, AgL A&We, FBC, FC, AgI, AgL A&We, FBC, FC, AgI, AgL
Davidson Canyon (I-10 to Cienega Creek) Empire Gulch (Headwaters to Empire Ranch Spring) Empire Gulch (Below Empire Ranch Spring) Fagen Tank Flux Canyon Gardner Canyon Creek Greene Wash Harshaw Wash Huachuca Tank Julian Wash Lemmon Canyon Creek Los Robles Wash Madera Canyon Creek Nogales Wash Oak Tree Canyon Creek Pantano Wash Parker Canyon Creek Parker Canyon Creek Parter Canyon Lake Patagonia Lake Pena Blanca Lake Puertocito Wash	A&Ww, FBC, AgL A&We, PBC A&Ww, FBC, AgL A&Ww, FBC, FC, AgL A&Ww, FBC A&Ww, FBC A&Ww, FBC A&Ww, FBC A&Ww, PBC A&Ww, PBC, AgL A&Ww, FBC, AgL A&We, PBC A&We, FBC, FC A&We, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, PBC A&Ww, FBC, FC A&We, FBC, FC A&We, FBC, FC A&We, FBC, FC A&We, FBC, FC A&We, FBC, FC A&We, FBC, FC, AgI, AgL A&We, FBC, FC, AgI, AgL A&We, FBC, FC, AgI, AgL A&We, FBC, FC, AgI, AgL A&We, FBC, FC, AgI, AgL
Davidson Canyon (I-10 to Cienega Creek) Empire Gulch (Headwaters to Empire Ranch Spring) Empire Gulch (Below Empire Ranch Spring) Fagen Tank Flux Canyon Gardner Canyon Creek Greene Wash Harshaw Wash Huachuca Tank Julian Wash Lemmon Canyon Creek Los Robles Wash Madera Canyon Creek Nogales Wash Oak Tree Canyon Palisade Canyon Creek Pantano Wash Parker Canyon Creek Parker Canyon Creek Patagonia Lake Pena Blanca Lake Puertocito Wash Redrock Canyon Creek	A&Ww, FBC, AgL A&Ww, FBC, AgL A&Ww, FBC, AgL A&Ww, FBC, FC, AgL A&Ww, FBC A&Ww, FBC A&Ww, FBC A&Ww, FBC A&Ww, FBC, AgL A&Ww, FBC, AgL A&Ww, FBC, AgL A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC, AgI, AgL A&We, FBC, DWS, FC, AgI, AgL A&We, FBC, FC, AgI, AgL A&We, FBC, FC, AgI, AgL A&We, FBC, FC, AgI, AgL A&We, FBC, FC, AgI, AgL
Davidson Canyon (I-10 to Cienega Creek) Empire Gulch (Headwaters to Empire Ranch Spring) Empire Gulch (Below Empire Ranch Spring) Fagen Tank Flux Canyon Gardner Canyon Creek Greene Wash Harshaw Wash Huachuca Tank Julian Wash Lemmon Canyon Creek Los Robles Wash Madera Canyon Creek Nogales Wash Oak Tree Canyon Palisade Canyon Creek Pantano Wash Parker Canyon Creek Parker Canyon Creek Patagonia Lake Pena Blanca Lake Puertocito Wash Redrock Canyon Creek Rillito Creek	A&Ww, FBC, AgL A&Ww, FBC, AgL A&Ww, FBC, AgL A&Ww, FBC, FC, AgL A&Ww, FBC A&Ww, FBC A&Ww, FBC A&Ww, FBC A&Ww, FBC A&Ww, FBC, AgL A&Ww, FBC, AgL A&Ww, FBC, AgL A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC, AgI, AgL A&Ww, FBC, FC, AgI, AgL A&Ww, FBC, FC, AgI, AgL A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC
Davidson Canyon (I-10 to Cienega Creek) Empire Gulch (Headwaters to Empire Ranch Spring) Empire Gulch (Below Empire Ranch Spring) Fagen Tank Flux Canyon Gardner Canyon Creek Greene Wash Harshaw Wash Huachuca Tank Julian Wash Lemmon Canyon Creek Los Robles Wash Madera Canyon Creek Nogales Wash Oak Tree Canyon Palisade Canyon Creek Pantano Wash Parker Canyon Creek Parker Canyon Creek Patagonia Lake Pena Blanca Lake Puertocito Wash Redrock Canyon Creek Rillio Creek Rillio Creek Rillio Creek Romero Canyon Creek	A&Ww, FBC, AgL A&We, PBC A&Ww, FBC, AgL A&Ww, FBC, FC, AgL A&Ww, FBC A&Ww, FBC A&Ww, FBC A&Ww, FBC A&Ww, PBC A&Ww, PBC, AgL A&Ww, FBC, AgL A&We, PBC A&We, PBC A&We, FBC, FC A&We, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&We, PBC A&Ww, FBC, FC A&We, FBC, FC A&We, FBC, FC A&We, FBC, FC A&We, FBC, FC A&We, FBC, FC A&We, FBC, FC A&We, FBC, FC A&We, FBC, FC, AgI, AgL A&We, FBC, FC, AgI, AgL A&We, FBC, FC, AgI, AgL A&We, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC
Davidson Canyon (I-10 to Cienega Creek) Empire Gulch (Headwaters to Empire Ranch Spring) Empire Gulch (Below Empire Ranch Spring) Fagen Tank Flux Canyon Gardner Canyon Creek Greene Wash Harshaw Wash Huachuca Tank Julian Wash Lemmon Canyon Creek Los Robles Wash Madera Canyon Creek Nogales Wash Oak Tree Canyon Palisade Canyon Creek Pantano Wash Parker Canyon Creek Parker Canyon Creek Patagonia Lake Puertocito Wash Redrock Canyon Creek Rillto Creek Rillto Creek Rose Canyon Creek Rose Canyon Creek	A&Ww, FBC, AgL A&We, PBC A&Ww, FBC, AgL A&Ww, FBC, FC, AgL A&Ww, FBC A&Ww, FBC A&Ww, FBC A&Ww, FBC A&Ww, FBC A&Ww, PBC A&Ww, FBC, AgL A&Ww, FBC, AgL A&We, PBC A&We, FBC, FC A&We, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&We, FBC, FC A&We, FBC, FC A&We, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC
Davidson Canyon (I-10 to Cienega Creek) Empire Gulch (Headwaters to Empire Ranch Spring) Empire Gulch (Below Empire Ranch Spring) Fagen Tank Flux Canyon Gardner Canyon Creek Greene Wash Harshaw Wash Huachuca Tank Julian Wash Lemmon Canyon Creek Los Robles Wash Madera Canyon Creek Nogales Wash Oak Tree Canyon Palisade Canyon Creek Pantano Wash Parker Canyon Creek Parker Canyon Creek Parker Canyon Creek Parker Canyon Creek Parker Canyon Creek Parker Canyon Creek Parker Canyon Creek Parker Canyon Creek Parker Canyon Creek Parker Canyon Creek Parker Canyon Creek Parker Canyon Creek Parker Canyon Creek Parker Canyon Creek Parker Canyon Creek Parker Canyon Creek Redrock Canyon Creek Rose Canyon Creek Rose Canyon Creek	A&Ww, FBC, AgL A&Ww, FBC, AgL A&Ww, FBC, AgL A&Ww, FBC, FC, AgL A&Ww, FBC A&Ww, FBC A&Ww, FBC A&Ww, FBC A&Ww, FBC A&Ww, FBC, AgL A&Ww, FBC, AgL A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC, AgI, AgL A&We, FBC, FC, AgI, AgL A&We, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC
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Davidson Canyon (I-10 to Cienega Creek) Empire Gulch (Headwaters to Empire Ranch Spring) Empire Gulch (Below Empire Ranch Spring) Fagen Tank Flux Canyon Gardner Canyon Creek Greene Wash Harshaw Wash Huachuca Tank Julian Wash Lemmon Canyon Creek Los Robles Wash Madera Canyon Creek Nogales Wash Oak Tree Canyon Palisade Canyon Creek Pantano Wash Parker Canyon Creek Patagonia Lake Pena Blanca Lake Puertocito Wash Redrock Canyon Creek Rillito Creek Romero Canyon Creek Rose Canyon Creek Rose Canyon Creek Rose Canyon Creek Rose Canyon Creek Rose Canyon Creek	A&Ww, FBC, AgL A&Ww, FBC, AgL A&Ww, FBC, AgL A&Ww, FBC, FC, AgL A&Ww, FBC A&Ww, FBC A&Ww, FBC A&Ww, FBC A&Ww, FBC, AgL A&Ww, FBC, AgL A&Ww, FBC, AgL A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC, AgI, AgL A&Ww, FBC, FC, AgI, AgL A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC
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Santa Cruz River ¹ (Nogales WWTP to Tubac)	A&Wedw, PBC
Santa Cruz River (Tubac to the Roger Rd WWTP)	A&We, PBC, AgL
Santa Cruz River ¹ (Roger Rd WWTP to Baumgartner Rd)	A&Wedw. PBC
Santa Cruz River (Wash) (Baumgartner Rd to the Gila River Reservation)	A&We, PBC, AgL
Santa Cruz River (Wash) (Gila River Reservation to the Gila River)	A&Ww. FBC, AgI, AgL
Santa Cruz River, West Branch	A&We_PBC
Santa Cruz Wash, N Branch ¹ (Casa Grande WWTP to the Santa Cruz Rive	er) A&Wedw, PBC
Santa Rosa Wash	A&We, PBC
Soldier Lake	
Sonoita Creek (Above the town of Patagonia)	A&Ww, PBC, AgI, AgL
Sonoita Creek (Below the town of Patagonia)	
Split Tank	A&Ww, FBC, FC, AgL
Stock Tank	——A&Ww, FBC, AgL
Sutherland Wash	A&We, PBC
Sycamore Spring Reservoir	— A&Wc, FBC, FC
Tanque Verde Creek The Lake Tank	A&WW, FBC, AgL
Tinaja Wash	
Navigable water	710-11 W, 1-100, 71810
SANTA CRUZ RIVER BASIN (cont.)	Designated Use
	A&We, PBC
Williams Ranch Tanks	
THE PROPERTY AND ASSESSED TO SEE SEE SEE SEE SEE SEE SEE SEE SEE SE	1100111, 1100, 1150
UPPER GILA RIVER BASIN	
Apache Creek	— A&Ww, FBC, AgL
Armstrong Tank Arrowhead Tank	— A&Ww, FBC, FC, AgL
Arsenic Tub Ash Creek	A&WW, FBC, FC
Barlow Pass Tank	— A&WW, FBC, FC, AgL — A&Ww, FBC, FC, AgL
Bennet Wash ¹ (Arizona Department of Corrections Safford WWTP to	A & Wadow DDC
the Gila River)	TXX TY SUW, T DO
Big Bonita Tank	A & Way FRC FC A GI
Big Brushy Tank	— A&Ww, FBC, FC, AgL
Bitter Creek	A&Ww, PBC
Bloody Basin Tank	A&Ww, FBC, FC, AgL
Blue River	- A&We, FBC, FC, AgI, AgL
Boni Tank	A&Ww_ERC_EC_Act
Bonita Creek ²	A&Ww, FBC, DWS, FC, AgL
Brushy Basin Tank	A&Ww, FBC, FC, AgL
Buckalou Creek	——A&We, FBC, FC
Burdette Tank	— A&Ww, FBC, FC, AgL
Cammerman Wash ¹ (Arizona Department of Corrections-Globe WWTP	A&Wedw, PBC
to 3 km-downstream)	
Campbell Blue Creek	——A&Wc, FBC, FC
Castle Creek	A&Wc, FBC, FC
Cave Creek and Ponds Chapman Tank	A&We, FBC, FC, AgI, AgL
Chase Creek	A&WW, FBC, FC, AgL
Chase Creek Chitty Canyon Creek	A&WW, PBC, AgL
Cluff Ranch Pond #1	A PANTE TOO TO A A A
Cluff Ranch Pond #2	A & Ww. EDC EC A at A at
Cluff Ranch Pond #3	A SW FDC FC A ST A ST
Coleman Creek	A & We FRC FC
Cox Corral Tank	A&Ww FRC FC Act
Dankworth Lake	A&Wc FBC FC
Deadman Canyon Creek	A&Wc. FBC. DWS. FC. AgL
Deadman Tank	A&Ww. FBC, FC, AgL
Dry Lake	A&Ww. FBC. FC. AgL
277 2000	
Dry Prong Tank	A&Ww. FBC. FC. AcL
Dry Prong Tank Eagle Creek	A&Ww, FBC, FC, AgL
Dry Prong Tank Eagle Creek East Eagle Creek	— A&Ww, FBC, FC, AgL — A&We, FBC, DWS, FC, AgI, AgI — A&We, FBC, FC, AgL
Dry Prong Tank Eagle Creek	— A&Ww, FBC, FC, AgL — A&Wc, FBC, DWS, FC, AgI, Ag — A&Wc, FBC, FC, AgL — A&Ww, FBC, FC, AgL

Evans Pond	A&Ww, FBC
Foote Creek	A&Ww, FBC, FC
Four Mile Tank	
Frye Creek Frye Mesa Reservoir	A&Wc, FBC, FC, AgL A&Wc, FBC, DWS, FC
	A&Ww, FBC, FC, AgL
Geronimo Tank (Earth Dam)	A&Ww, FBC, FC, AgL
Gibson Creek	A&We, FBC, FC, AgI, AgL
Gila River (New Mexico border to San Carlos Lake)	A&Ww FRC FC AgL AgI
Gila River (San Carlos Lake to San Pedro River)	A&Ww. FBC. FC. AgL
Gila River (San Pedro River to Mineral Creek)	A&Ww, FBC, FC, AgI, AgI
Gila River (Mineral Creek to Ashurst Hayden Dam)	A&Ww. FBC. FC. AgI. AgI
Gimme Tank	A&Ww, FBC, FC, AgL
Grant-Creek	————A&Wc, FBC, FC
Green Mountain Tank	
Headquarters Tank	
Homer J. Tank	210011 11, 1 200, 1 C, 1 kg 2
14-4 A 44133	
Juniper Tank K. P. Creek	
Kidde Tank	
	A&Ww, FBC, FC, AgL Designated Use
UPPER GILA RIVER BASIN (cont.)	Penguated Use
Lasley Tank	A&Ww, FBC, FC, AgL
Little Creek	A&Wc, FBC, FC
Loofer Tank	A & WW FRC FC Agi
Lower Georges Reservoir	A&Wc, FBC, FC, AgL
Luna Lake	A&Wc FRC FC AcL
Maggie Jones Tank	A&Ww, FBC, FC, AgL
Marijilda-Creek	A&Wc_FBC_FC_AgL_AgL
Markham Creek	A&Ww, FBC, AgL
Mineral Creek	
Nine Mile Tank	
Pigeon Creek	
Pima Gap Tank Pine Hat Tank	
Pine Flat Tank Point of Pines Lake	7100 11 11, x 20 0, X 0, 11gb
Point O Pines Charco Tank	110:11 W. 1 D.C. 1 C
Prairie Tank	A&Ww, FBC, FC, AgL
Raspberry Creek	A&Ww. FBC. FC
Riggs Reservoir	A&Ww, FBC, FC
Rodeo Tank	A&Ww, FBC, FC, AgL
Roper Lake	A&Ww.FBC.FC
Sait Creek Tank	A&Ww, FBC, FC, AgL
Salt Shed Tank	
San Carlos Lake	A&Ww, FBC, FC, AgI, AgI
San Carlos River	A&Ww, FBC, FC
San Francisco River (Headwaters to New Mexico border)	——— A&Wc, FBC, FC, AgI, AgL
San Francisco River (New Mexico border to the Gila River)	———A&Ww, FBC, FC, AgI, AgI
San Simon River	A&Ww, PBC, AgI, AgL
Seven Mile Tank Sheep Tank	1100, 1, 1, 1
Shortline Tank Slaughter Camp Tank	ASWW, FBC, FC, AgL
Smith Pond	A SAVAN EDG EG
Soldier Hole Tank	A P.W., FDC, FC
South Headquarters Tank	A&Ww FRC FC Act
South Summit Tank	A&Ww, FBC, FC, AgL
Stone Creek	
Strayhorse Creek	
Summit Tank	A&Ww.FBC.FC.AcL
Sweetmeat Tank	
Talkali Lake	— A&Ww, FBC, FC, AgI
Tarantula Tank	A&Ww. FBC, FC, AcL
Tinny Pond	A&Ww FRC FC Act

Turkey Creek	A&Wc, FBC, FC, AgI, AgL
Turkey Roost Tank	A&Ww, FBC, FC, AgL
Turtle Tank	A & Www FRC FC A of
University Charco Tank	A&Ww, FBC, FC, AgL
Upper Cienega Tank	A&Ww.FBC.FC.AgL
Walnut Canvon Creek	A&Ww.FBC.FC
White Canyon Creek	A&Ww. FBC. FC
VERDE RIVER BASIN	
American Gulch (Headwaters to the Payson WWTP)	A&Ww, FBC, FC, AgI, AgL
American Gulch ¹ (Payson WWTP to the East Verde River)	——— A&Wedw, PBC
Aspen Creek	A&Ww, PBC
Aspen Creek Bar Cross Tank	A&Ww, FBC, FC, AgL
Barrata Tank	
Bartlett Lake	A&Ww, FBC, DWS, FC, AgI, AgI
Beaver Creek	A&Wc, FBC, FC, AgL
Bitter Creek (Headwaters to the Jerome WWTP)	——A&Ww, PBC, AgL
Bitter Creek (Jerome WWTP to 2.5 km downstream)	A&Wedw PRC
Bitter Creek (Below 2.5 km downstream of the Jerome WWTP)	A&Www.FRC_Agl_Agl_
Ronita Creek	A&We, FBC, DWS, FC
Bray Creek	A&Ww, FBC, FC, AgL
Carter Tank	
Cement Dam Lake	A&Wc, FBC, FC, AgL A&Wc, FBC, FC, AgI, AgL
Navigable water VERDE RIVER BASIN (cont.)	Designated Use
Chase Creek	A A WILL FOO DWG FO
Dead Horse Lake	1100110,1200,1210
	——A&Wc, FBC, FC
	A&Ww, FBC, FC, AgL
Del Rio Dam Lake	
Dry Beaver Creek	——— A&Ww, FBC, FC, AgI, AgL
Dude-Creek	1,00,,0,1,00,1,0,1,5,1,1,5,0
East Verde River	A&Wc, FBC, DWS, FC, AgI, AgL
El Paso Tank	A&Ww, FBC, FC, AgL
Ellison Creek	A&Wc, FBC, FC, AgL
Fossil Creek	———A&W <del>w, FBC, FC, AgI, Ag</del> L
Fossil Springs	A&Ww, FBC, DWS
Foxboro Lake	A&Ww, FBC, AgL
Fry Lake	A&Ww, FBC, FC, AgL
Gap Creek	A&Wc, FBC, FC, AgL
Garrett-Tank	A&Ww, FBC, FC, AgL
Goldwater Lake	A&Wc, FBC, DWS, FC
Granite Basin Lake	A&Ww, FBC, FC, AgI, AgL
Granite Creek	A&Ww, FBC, AgI, AgL
Heifer Tank	A&Ww. FBC. FC. AgL
Hell Canyon Tank	A&Ww, PBC, FC, AgL
Homestead Tank	
Horse Park Tank	A&Ww, FBC, AgL
	A&Ww, FBC, FC, AgI, AgL
Jacks Canyon Wash ¹ (Big Park WWTP to Dry Beaver Creek)	A & Wedy PRC
J.D. Dam Lake	A&Wc, FBC, FC, AgI, AgL
McLellan Reservoir	A P.W., EDC EC A ST A ST
Meath Dam Tank	A & Way EDC A of
Mullican Tank	A & W., EDC EC A -T
Oak Creek ²	A SWA EDG DWG FG A T . T
Oak Creek, West Fork ²	ACWC, FBC, DWS, FC, AgI, AgL
Peck's Lake	A&WC, PBC, PC, AgL
Perkins Lake	ACWC, PBC, PC, Agl, AgL
Pine Creek	A&WC, FBC, FC, AgL
Pine Creek	
	A Passing Topology Tool A mile
Red Lake	
Reservoir #1	A&Ww FBC FC
Reservoir #1 Reservoir #2	A&Ww, FBC, FC
Reservoir #1 Reservoir #2 Scholze Lake	A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC, AgL
Reservoir #1 Reservoir #2 Scholze Lake Spring Creek	A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC, AgL A&Ww, FBC, FC, AgL
Reservoir #1 Reservoir #2 Scholze Lake	A&Ww, FBC, FC A&Ww, FBC, FC A&Ww, FBC, FC, AgL A&Ww, FBC, FC, AgL, AgL A&Ww, FBC, FC, AgL

### Arizona Administrative Register

## Notices of Proposed Rulemaking

Stoneman Lake	· A&Wc, FBC, FC, AgI, AgL
Sullivan Lake	A&Ww, FBC, FC, AgI, AgL
Sycamore Creek (Coconino Forest)	A&Wc. FBC. FC. Agl. AgL
Sycamore Creek (Tonto Forest)	A&Ww, FBC, FC, AgI, AgL
Tangle Creek	A&Ww, FBC, FC, AgI, AgL
Trinity Tank	A&Ww, FBC, FC, AgL
Verde River (Above Bartlett Dam)	A&Ww, FBC, FC, AgI, AgL
Verde River (Below Bartlett Dam)	A&Ww, FBC, DWS, FC, AgI, AgL
Watson Lake	A&Ww, FBC, FC, AgI, AgL
Webber Creek	A&Wc.FBC.FC.AcL
West-Clear Creek	A&Wc, FBC, FC, AgL
Wet Beaver Creek	A&Wc, FBC, FC, AgI, AgL
Whitehorse Lake	A&Wc, FBC, DWS, FC, AgI, AgL
Williscraft Lake	A&Ww.FBC.FC.AgL
Willow Creek	A&Wc, FBC, FC, AcL
Willow Lake	A&Ww, FBC, FC, AgI, AgL
Willow Valley Lake	A&Ww. FBC. AcL
	, , ,
WILLCOX PLAYA	
Ash-Creek	A&Wc, FBC, FC, AgI, AgL
Big Canyon Creek	A&Ww. FBC. FC. AgL
Grant Creek	A&Wc, FBC, DWS, FC, AgL
High Creek	A&Ww, FBC
Moonshine Creek	A&Wc, FBC, FC, AgL
Pinery Creek	A&Ww, FBC, DWS, FC
Navigable water	Designated Use
WILLCOX PLAYA (cont.)	· ·
Post Creek	A&Wc, FBC, FC, AgI, AgL
Riggs Flat Lake	A&Wc, FBC, FC, AgI, AgL
Rock Creek	A&Ww, FBC, FC, AgL
Snow Flat Lake	A&Wc, FBC, FC, AgI, AgL
Soldier-Creek	A&We, FBC, FC, AgL
Willcox Playa	A&Ww, FBC, AgL
	· · · •

### ABBREVIATIONS:

A&Wc = Aquatic and Wildlife (cold water fishery).

A&We - Aquatic and Wildlife (ephemeral).

A&Wedw = Aquatic and Wildlife (effluent dominated water).

A&Ww = Aquatic and Wildlife (warm-water fishery).

AgL - Agricultural Livestock Watering.

AgI — Agricultural Irrigation.

DWS - Domestic Water Source.

FBC = Full Body Contact.

PBC Partial Body Contact.

FC - Fish Consumption.

WTP = Water Treatment Plant.

WWTP - Wastewater Treatment Plant.

### NOTES:

1 -- An effluent dominated water.

2 = A unique water: Limits developed on a site specific basis for each stream segment or lake. See R18-11-112 for applicable criteria.

3 = Municipal Park Lake.

## Notices of Proposed Rulemaking

Appendix C. Practical Quantitation Limits (PQLs)

	PQLs
	——— (μg/L)
Acenaphthylene Acrylonitrile	<del></del>
Aldrin	5 
Anthracene	<del></del>
Antimony	
Arsenic	10
Benzidine	20
Benzo (a) anthracene	1 10
Benzo (a) pyrene Benzo (ghi) perylene	10
Benzo (k) fluoranthene	10
3,4 Benzofluoranthene	10
Beryllium	
BHC alpha	0.5
BHC-beta	0.05
BHC-gamma (lindane)	0.05
Bis(2 chloroethyl) ether	0.05
Bis (2-ethylhexyl) phthalate	10
Sis (2 etnyinexyl) prinalate Chlordane	
Chlorodibromomethane	i <u>0.1</u>
3 methyl 4 chlorophenol	<u> </u>
S metnyr 4 cmorophenor  Chrysene	1 ~
Cyanide	10 20
DDD	1
DDE	
DDT	0.1
Dibenzo (ah) anthracene	
3,3-Dichlorobenzidine	10
Dichlorobromomethane	
	•
1,3-Dichloropropene Dieldrin	0.5
2,4 Dinitrophenol	
2 methyl 4,6 Dinitrophenol	
2.4 Dinitrotoluene	10
2,3,7,8 TCDD (Dioxin)	0.00
Endosulfan sulfate	0.2
Endosulfan alpha	0,1
Endosulfan-beta	0.05
Endrin Endrin	0.03
Endrin aldehyde	1
Fluorene	0.2
Heptachlor	
Heptachlor epoxide	
Hexachlorobenzene	0.5
Hexachlorobutadiene	5
Hexachlorocyclopentadiene	
Indene (1,2,3-cd) pyrene	10
Mercury	0.5
N-nitrosodimethylamine	10
N-nitrosodi-n-propylamine	10
PCBs	0.5
Phenanthrene	1
Durana	10
Pyrene Selenium	10
PCISINGIII Cilvor	
Silver	1 10000
Sulfides	10000
1 1 2 2 Tabanahlamanahama	
1,1,2,2 Tetrachloroethane Toxaphene	5

 $\mu$ g/L micrograms per liter